Unit 1: ADDITION AND SUBTRACTION
STRATEGIES AND FACTS, PLACE VALUE, AND GRAPHING

Chapter 1: Addition Strategies
1.1 Order and Zero Properties ....... 1
1.2 Count On 1, 2, and 3 .............. 2
1.3 Doubles and Doubles Plus One ... 3
1.4 Make a Ten ...................... 4
1.5 Add 3 Numbers .................. 5
1.6 Problem Solving • Draw a Picture .................. 6

Chapter 2: Subtraction Strategies
2.1 Subtract All or Zero .............. 7
2.2 Count Back ..................... 8
2.3 Think Addition to Subtract ....... 9
2.4 Fact Families ................... 10
2.5 Number Expressions ............ 11

Chapter 3: Addition and Subtraction Practice
3.1 Remember Addition Facts ....... 12
3.2 Missing Numbers ................ 13
3.3 Remember Subtraction Facts .... 14
3.4 Problem Solving • Write a Number Sentence ........ 15

Chapter 4: Numbers to 100
4.1 Tens ............................. 16
4.2 Tens and Ones ................... 17
4.3 Understand Place Value .......... 18
4.4 Read and Write Numbers ........ 19
4.5 Problem Solving • Make Reasonable Estimates ........ 20

Chapter 5: Number Patterns, Compare and Order
5.1 Ordinal Numbers ................ 21
5.2 Compare Numbers: >, <, or = ................. 22

5.3 Order Numbers: Before, After Between .................. 23
5.4 Even and Odd .................... 24
5.5 Skip-Count ....................... 25
5.6 Problem Solving • Find a Pattern .................. 26

Chapter 6: Data and Graphing
6.1 Picture Graph .................... 27.
6.2 Bar Graph ....................... 28
6.3 Problem Solving • Use a Graph ... 29
6.4 Take a Survey .................... 30
6.5 Interpret Data .................... 31
6.6 Use Pictographs ................. 32

Unit 2: MONEY AND TIME

Chapter 7: Counting Money
7.1 Pennies, Nickels, and Dimes ...... 33
7.2 Quarters and Half-Dollars ......... 34
7.3 Count Collections ................ 35
7.4 1 Dollar .......................... 36
7.5 Problem Solving • Draw a Picture .................. 37

Chapter 8: Using Money
8.1 Make the Same Amounts ......... 38
8.2 Same Amounts Using Fewest Coins ......... 39
8.3 Compare Amounts to Prices ...... 40
8.4 Make Change ..................... 41
8.5 Problem Solving • Make a List ... 42

Chapter 9: Telling Time
9.1 Tell Time to 5 Minutes .......... 43.
9.2 Time After the Hour ............. 44
9.3 Time Before the Hour .......... 45
9.4 Practice Telling Time .......... 46

Chapter 10: Understanding Time
10.1 Daily Events .................... 47.
10.2 Problem Solving • Use a Model ... 48
Order and Zero Properties

Write the sum.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>4 + 3 = 7</td>
<td>9 + 1 =</td>
</tr>
<tr>
<td></td>
<td>3 + 4 = 7</td>
<td>1 + 9 =</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td>2 + 6 =</td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>5 + 4 =</td>
<td>0 + 5 =</td>
</tr>
<tr>
<td></td>
<td>4 + 5 =</td>
<td>5 + 0 =</td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td>6 + 5 =</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13.</td>
<td>3¢ + 2¢ =   ¢</td>
</tr>
<tr>
<td>14.</td>
<td>8¢ + 4¢ =   ¢</td>
</tr>
<tr>
<td>15.</td>
<td>1 + 3 =</td>
</tr>
<tr>
<td>16.</td>
<td>2 + 2 =</td>
</tr>
<tr>
<td>17.</td>
<td>2 + 9 =</td>
</tr>
<tr>
<td>18.</td>
<td>5 + 3 =</td>
</tr>
</tbody>
</table>
Count on 1, 2, and 3

Circle the greater number.
Count on to find the sum.

1. 8 + 1 = ___
2. 5 + 2 = ___
3. 3 + 10 = ___

4. 1 + 4 = ___
5. 6 + 2 = ___
6. 7 + 3 = ___

7. 3 + 8 = ___ + 2 = ___ + 7 = ___ + 3 = ___ + 5 = ___ + 1 = ___
8. 4 + 3 = ___ + 10 = ___ + 1 = ___ + 6 = ___ + 4 = ___ + 3 = ___
9. 9 + 2 = ___ + 8 = ___ + 5 = ___ + 2 = ___ + 9 = ___ + 1 = ___

Mixed Review

Solve.

10. 0 + 8 = ___
11. 4 + 0 = ___
12. 0 + 1 = ___
13. 7 + 0 = ___
14. 0 + 9 = ___
15. 6 + 0 = ___
16. 0 + 6 = ___
17. 6 + 3 = ___
18. 3 + 6 = ___
### Doubles and Doubles Plus One

#### Vocabulary

Circle the **doubles plus one** fact in **yellow**.
Circle the **doubles** fact in **green**.

\[
\begin{align*}
4 + 4 & = 8 \\
4 + 1 & = 5 \\
4 + 5 & = 9
\end{align*}
\]

Write each doubles sum green.
Write each doubles plus one sum yellow.
Complete the addition table.

<table>
<thead>
<tr>
<th></th>
<th>+0</th>
<th>+1</th>
<th>+2</th>
<th>+3</th>
<th>+4</th>
<th>+5</th>
<th>+6</th>
<th>+7</th>
<th>+8</th>
<th>+9</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Make a Ten

Use a ten-frame and \(\bigcirc\) to make a ten.
Find the sum.

1. \[
\begin{array}{cccccc}
7 & & & & 9 & \\
\ + & 5 & & & & 3 & \\
\hline
\end{array}
\]

2. \[
\begin{array}{cccccc}
7 & & & & 9 & \\
\ + & 4 & & & & 7 & \\
\hline
\end{array}
\]

3. \[
\begin{array}{cccccc}
7 & & 8 & & 9 & \\
\ + & 5 & & 4 & & 8 & \\
\hline
\end{array}
\]

4. \[
\begin{array}{cccccc}
8 & & 8 & & 9 & \\
\ + & 2 & & 3 & & 9 & \\
\hline
\end{array}
\]

Mixed Review

Solve.

5. \(6 + 0 = \)______
6. \(0 + 10 = \)______
7. \(5 + 1 = \)______
8. \(2 + 4 = \)______
9. \(7 + 0 = \)______
10. \(3 + 9 = \)______
11. \(3 + 3 = \)______
12. \(2 + 3 = \)______
13. \(3 + 4 = \)______
Add 3 Numbers

Circle the addends you add first. Write the sum.

1. \[ \begin{array}{cccccccc}
6 & 2 & 6 & 3 & 4 & 5 \\
2 & 5 & 6 & 1 & 7 & 3 \\
+ 9 & + 8 & + 4 & + 8 & + 2 & + 5 \\
\end{array} \]

2. \[ \begin{array}{cccccccc}
3 & 1 & 5 & 7 & 2 & 4 \\
1 & 6 & 8 & 5 & 6 & 3 \\
+ 3 & + 9 & + 2 & + 5 & + 4 & + 4 \\
\end{array} \]

3. \[ \begin{array}{cccccccc}
8 & 5 & 7 & 4 & 9 & 2 \\
2 & 4 & 6 & 1 & 1 & 6 \\
+ 9 & + 4 & + 4 & + 4 & + 5 & + 2 \\
\end{array} \]

4. \[ \begin{array}{cccccccc}
3 & 7 & 9 & 2 & 8 & 9 \\
4 & 3 & 0 & 4 & 3 & 5 \\
+ 1 & + 4 & + 9 & + 6 & + 2 & + 2 \\
\end{array} \]

Mixed Review

Solve.

5. \[5 + 5 = \ldots\]
6. \[8 + 7 = \ldots\]
7. \[7 + 7 = \ldots\]
8. \[9 + 2 = \ldots\]
9. \[5 + 8 = \ldots\]
10. \[4 + 5 = \ldots\]
11. \[5 + 4 = \ldots\]
12. \[6 + 4 = \ldots\]
13. \[6 + 6 = \ldots\]
## Problem Solving • Draw a Picture

Use the four steps to solve. Draw a picture. Write the number sentence.

1. 9 brown bears and 7 black bears played. How many bears in all played?

   ![Diagram](image1.png)

   \[9 + 7 = 16\] bears

2. On the porch sat 7 cats. Then 8 more cats joined them. How many cats were on the porch?

   ![Diagram](image2.png)

   ____ ____ ____ ____ cats

3. In a fish tank swam 6 yellow fish and 8 orange fish. How many fish swam in the tank?

   ![Diagram](image3.png)

   ____ ____ ____ ____ fish

4. There were 7 children in the yard and 3 children in the house. How many children were there in all?

   ![Diagram](image4.png)

   ____ ____ ____ ____ children
Subtract All or Zero

Subtract.

1. How many flowers are left?
   \[
   \begin{array}{c}
   6 \\
   \underline{- 6} \\
   0 \text{ flowers}
   \end{array}
   \]

2. How many flowers are left?
   \[
   \begin{array}{c}
   6 \\
   \underline{- 0} \\
   \text{flowers}
   \end{array}
   \]

<table>
<thead>
<tr>
<th></th>
<th>4</th>
<th>2</th>
<th>15</th>
<th>7</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>-2</td>
<td>-0</td>
<td>-0</td>
<td>-9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>8</th>
<th>3</th>
<th>6</th>
<th>11</th>
<th>13</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-8</td>
<td>0</td>
<td>-6</td>
<td>-0</td>
<td>-13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>19</th>
<th>5</th>
<th>18</th>
<th>2</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>-5</td>
<td>0</td>
<td>0</td>
<td>-7</td>
</tr>
</tbody>
</table>

### Mixed Review

Solve.

6. \(6 + 2 = \) _____

7. \(4 + 4 = \) _____

8. \(1 + 7 = \) _____

9. \(7 + 1 = \) _____

10. \(5 + 3 = \) _____

11. \(3 + 5 = \) _____

12. \(8 + 0 = \) _____

13. \(0 + 8 = \) _____

14. \(2 + 6 = \) _____
## Count Back

Count back to find the difference.

1. \(8 - 1 = \) ___  
   \(4 - 2 = \) ___  
   \(6 - 1 = \) ___  

2. \(5 - 2 = \) ___  
   \(9 - 3 = \) ___  
   \(10 - 2 = \) ___  

3. \(7 - 3 = \) ___  
   \(5 - 1 = \) ___  
   \(8 - 3 = \) ___  
   \(4 - 1 = \) ___  
   \(6 - 2 = \) ___  

4. \(10 - 3 = \) ___  
   \(9 - 2 = \) ___  
   \(11 - 2 = \) ___  
   \(7 - 2 = \) ___  
   \(3 - 2 = \) ___  

5. \(8 - 2 = \) ___  
   \(3 - 1 = \) ___  
   \(9 - 1 = \) ___  
   \(12 - 1 = \) ___  
   \(7 - 1 = \) ___  

6. \(3 - 2 = \) ___  
   \(10 - 1 = \) ___  
   \(6 - 3 = \) ___  
   \(11 - 3 = \) ___  
   \(5 - 3 = \) ___  

## Mixed Review

Solve.

7. \(5 - 5 = \) ___  
   8. \(4 - 4 = \) ___  
   9. \(6 - 6 = \) ___  

10. \(7 - 0 = \) ___  
    11. \(6 - 0 = \) ___  
    12. \(8 - 0 = \) ___  

13. \(4 + 0 = \) ___  
    14. \(9 - 0 = \) ___  
    15. \(0 + 9 = \) ___
**Think Addition to Subtract**

Add or subtract.

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9</td>
<td>16</td>
<td>7</td>
<td>13</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>+7</td>
<td></td>
<td>+6</td>
<td></td>
<td>+6</td>
</tr>
<tr>
<td></td>
<td>-7</td>
<td></td>
<td>-6</td>
<td></td>
<td>-6</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td></td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8</td>
<td>15</td>
<td>9</td>
<td>17</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>+7</td>
<td></td>
<td>+8</td>
<td></td>
<td>+5</td>
</tr>
<tr>
<td></td>
<td>-7</td>
<td></td>
<td>-8</td>
<td></td>
<td>-5</td>
</tr>
</tbody>
</table>

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>8</td>
<td>+2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>+3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>7</td>
<td>+7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>+8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>-8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>9</td>
<td>+4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>8</td>
<td>+9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mixed Review**

Solve.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>3</td>
<td>-1</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>6</td>
<td>-2</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>7</td>
<td>-1</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>5</td>
<td>-1</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>8</td>
<td>-2</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>8</td>
<td>-3</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>10</td>
<td>-3</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>9</td>
<td>-1</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>11</td>
<td>-2</td>
<td></td>
</tr>
</tbody>
</table>
Fact Families

Write the fact family for the set of numbers.

1. 11, 4, 7
   4 + 11 = 15
   11 + 4 = 15
   15 - 4 = 11
   15 - 11 = 4

2. 14, 6, 8
   6 + 8 = 14
   8 + 6 = 14
   14 - 6 = 8
   14 - 8 = 6

3. 16, 9, 7
   9 + 7 = 16
   7 + 9 = 16
   16 - 9 = 7
   16 - 7 = 9

4. 13, 9, 4
   9 + 4 = 13
   4 + 9 = 13
   13 - 9 = 4
   13 - 4 = 9

Mixed Review

Solve.

5. 5 + 5 = _____
6. 8 + 7 = _____
7. 7 + 3 = _____
8. 6 + 8 = _____
9. 9 + 8 = _____
10. 4 + 9 = _____
11. 13 - 9 = _____
12. 5 + 6 = _____
13. 11 - 6 = _____
Number Expressions

Look across, down, and diagonally. Circle pairs of numbers that give the sum at the top.

1. 16
   9  8  12  13
   7  1  4  11
   2  7  3  10
   5  10  8  12
   1  11  4  7

2. 9
   0  5  3  6
   8  4  2  1
   2  1  5  2
   1  7  6  3
   8  1  0  4

Circle pairs of numbers that give the difference at the top.

3. 7
   13  5  8  7
   15  6  4  0
   4  8  1  3
   3  9  1  5
   6  2  12  8
   10  3  11  4

4. 6
   12  3  7  1
   6  3  6  4
   3  8  7  11
   1  0  8  5
   15  9  2  10
   9  8  4  4

▶ Mixed Review

Solve.

5. 4 + 6 = _____
6. 6 + 4 = _____
7. 10 − 4 = _____
8. 10 − 6 = _____
9. 10 − 2 = _____
10. 8 − 8 = _____

Name
### Remember Addition Facts

Write the sum.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>2.</td>
<td>3.</td>
</tr>
<tr>
<td><strong>Use doubles.</strong></td>
<td><strong>Use doubles plus one.</strong></td>
<td><strong>Add 0.</strong></td>
</tr>
<tr>
<td>8</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>4</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>7</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>5.</td>
<td>6.</td>
</tr>
<tr>
<td><strong>Count on 3.</strong></td>
<td><strong>Count on 2.</strong></td>
<td><strong>Count on 1.</strong></td>
</tr>
<tr>
<td>6</td>
<td>9</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

#### Mixed Review

Solve.

7. $3 + 6 =$ _____  
8. $3 + 6 + 1 =$ _____  
9. $10 - 0 =$ _____  
10. $3 + 6 + 0 =$ _____  
11. $10 + 0 =$ _____  
12. $2 + 8 + 1 =$ _____  
13. $2 + 8 + 0 =$ _____  
14. $2 + 8 + 2 =$ _____
Missing Numbers

Write the missing number. Use counters if you need to.

1. 8 + ____ = 14  
   14 − 8 = ____

2. ____ + 5 = 12  
   12 − 5 = ____

3. ____ + 6 = 13  
   13 − 6 = ____

4. 7 + ____ = 11  
   11 − 7 = ____

5. ____ + 6 = 10  
   10 − 6 = ____

6. 11 − ____ = 8  
   11 − 8 = ____

7. ____ + 7 = 16  
   16 − 7 = ____

Mixed Review

Solve.

8. 6 + 7 = ____  
9. 8 + 5 = ____  
10. 9 + 4 = ____

11. 13 − 5 = ____  
12. 13 − 7 = ____  
13. 13 − 9 = ____

14. 9 + 3 = ____  
15. 8 + 3 = ____  
16. 9 + 8 = ____
Remember Subtraction Facts

Solve.
Color the doubles facts \( \text{red} \).
Color the count-back facts \( \text{blue} \).
Color the all and zero facts any way you like.

<table>
<thead>
<tr>
<th>14</th>
<th>16</th>
<th>10</th>
<th>19</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>-7</td>
<td>-3</td>
<td>-5</td>
<td>-2</td>
<td>-6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>20</th>
<th>16</th>
<th>14</th>
<th>20</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20</td>
<td>-8</td>
<td>-14</td>
<td>-10</td>
<td>-0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>20</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>-17</td>
<td>-9</td>
<td>-0</td>
<td>-2</td>
</tr>
</tbody>
</table>

**Mixed Review**

Solve.

1. \(7 + 2 = \) ____  
2. \(1 + 10 = \) ____  
3. \(8 + 3 = \) ____  
4. \(1 + 8 = \) ____  
5. \(3 + 9 = \) ____  
6. \(9 + 2 = \) ____  
7. ____ + 8 = 10  
8. 6 + ____ = 12
Problem Solving • Write a Number Sentence

Draw a picture or make a model. Write a number sentence to solve.

1. Julie bought 3 green apples and 5 red apples. How many apples did she buy?
   \[5 + 3 = 8\]
   \[8\] apples

2. Mary has 6 dolls. Tasha has 4 dolls. How many more dolls does Mary have?
   \[\underline{\phantom{0}} \quad \underline{\phantom{0}} = \underline{\phantom{0}}\]
   \[\underline{\phantom{0}}\] more dolls

3. Joel planted 7 tomato seeds and 6 carrot seeds. How many seeds did he plant?
   \[\underline{\phantom{0}} \quad \underline{\phantom{0}} = \underline{\phantom{0}}\]
   \[\underline{\phantom{0}}\] seeds

4. Eddie had 16 peas. He ate 8 of them. How many peas does he have left?
   \[\underline{\phantom{0}} \quad \underline{\phantom{0}} = \underline{\phantom{0}}\]
   \[\underline{\phantom{0}}\] peas
Tens
Count the spots. Write how many tens. Then write how many ones.

1. 
   
   ____ tens = ____ ones

2. 
   
   ____ tens = ____ ones

3. 
   
   ____ tens = ____ ones

4. 
   
   ____ tens = ____ ones

5. 
   
   ____ tens = ____ ones

---

Mixed Review

Solve.

6. \(8 + 2 = \) _____  \(3 + 2 = \) _____  \(2 + 6 = \) _____

7. \(4 + 4 = \) _____  \(6 + 4 = \) _____  \(1 + 8 = \) _____

8. \(5 - 3 = \) _____  \(7 - 3 = \) _____  \(9 - 4 = \) _____

9. \(9 - 5 = \) _____  \(12 - 6 = \) _____  \(10 - 7 = \) _____
Tens and Ones

Write how many tens and ones in three different ways.

1.  
   
   \[
   \begin{array}{c}
   \text{6 tens} \\
   60 \\
   \end{array}
   \quad \begin{array}{c}
   \text{4 ones} \\
   4 \\
   \end{array}
   = \begin{array}{c}
   \text{64} \\
   64 \\
   \end{array}
   \]

2.  
   
   \[
   \begin{array}{c}
   \text{___ tens} \\
   \phantom{60} \\
   \end{array}
   \quad \begin{array}{c}
   \text{___ ones} \\
   \phantom{4} \\
   \end{array}
   = \begin{array}{c}
   ___ \\
   \phantom{64} \\
   \end{array}
   \]
   \[
   \begin{array}{c}
   \phantom{60} \\
   \phantom{4} \\
   \end{array}
   + \begin{array}{c}
   \phantom{60} \\
   \phantom{4} \\
   \end{array}
   = \begin{array}{c}
   \phantom{64} \\
   \phantom{64} \\
   \end{array}
   \]

3.  
   
   \[
   \begin{array}{c}
   \phantom{6} \\
   \phantom{4} \\
   \end{array}
   \quad \begin{array}{c}
   \phantom{6} \\
   \phantom{4} \\
   \end{array}
   = \begin{array}{c}
   \phantom{64} \\
   \phantom{64} \\
   \end{array}
   \]

4.  
   
   \[
   \begin{array}{c}
   \phantom{6} \\
   \phantom{4} \\
   \end{array}
   \quad \begin{array}{c}
   \phantom{6} \\
   \phantom{4} \\
   \end{array}
   = \begin{array}{c}
   \phantom{64} \\
   \phantom{64} \\
   \end{array}
   \]
   \[
   \begin{array}{c}
   \phantom{60} \\
   \phantom{4} \\
   \end{array}
   + \begin{array}{c}
   \phantom{60} \\
   \phantom{4} \\
   \end{array}
   = \begin{array}{c}
   \phantom{64} \\
   \phantom{64} \\
   \end{array}
   \]

Mixed Review

Solve.

5.  \(16 - 8 = \) \[ \square \]  \(12 - 5 = \) \[ \square \]  \(11 - 5 = \) \[ \square \]

6.  \(10 - 6 = \) \[ \square \]  \(14 - 6 = \) \[ \square \]  \(11 - 7 = \) \[ \square \]

7.  \(15 - 7 = \) \[ \square \]  \(13 - 3 = \) \[ \square \]  \(11 - 9 = \) \[ \square \]
Understand Place Value

Circle the value of the underlined digit.

1. 65
   \underline{5} or 50

2. 37
   3 or 30

3. 94
   9 or 90

4. 19
   1 or 10

5. 43
   3 or 30

6. 51
   5 or 50

7. 87
   7 or 70

8. 12
   2 or 20

9. 75
   5 or 50

10. 39
    9 or 90

11. 87
    8 or 80

12. 91
    9 or 90

Mixed Review

Solve.

13. 6 + 7 = _____
    5 + 6 = _____
    4 + 9 = _____

14. 5 + 7 = _____
    5 + 4 = _____
    4 + 4 = _____

15. 8 + 6 = _____
    3 + 3 = _____
    5 + 3 = _____
Read and Write Numbers

Read the number. Write the number in different ways.

1. thirty-six
   \[
   3 \text{ tens } 6 \text{ ones} \\
   \frac{30 + 6}{36}
   \]

2. fifty-five
   \[
   \text{___ tens ___ ones} \\
   \text{____ + ___}
   \]

3. seventy-two
   \[
   \text{____ tens ____ ones} \\
   \text{____ + ___}
   \]

4. eleven
   \[
   \text{____ ten ____ one} \\
   \text{____ + ___}
   \]

5. twenty-two
   \[
   \text{____ tens ____ ones} \\
   \text{____ + ___}
   \]

6. sixty-eight
   \[
   \text{____ tens ____ ones} \\
   \text{____ + ___}
   \]

Mixed Review

Solve.

7. \[8 + ____ = 8\]   \[3 + ____ = 11\]   \[4 + ____ = 10\]

8. \[7 + ____ = 9\]   \[2 + ____ = 6\]   \[5 + ____ = 10\]

9. \[6 + ____ = 12\]   \[1 + ____ = 10\]   \[7 + ____ = 12\]
Problem Solving • Make Reasonable Estimates

Circle the most reasonable estimate.

1. Lily has a few cats. About how many cats might she have?
   - 3
   - 50
   - 100

2. Kim bought a small bag of apples. About how many apples might she have?
   - 10
   - 50
   - 100

3. Ann has a large collection of stickers. About how many stickers might she have?
   - 5
   - 10
   - 100

4. Erica bought a box of pencils. About how many pencils might be in the box?
   - 5
   - 10
   - 50

5. Nick went to a class party. About how many children might be at the party?
   - 5
   - 20
   - 100

6. Jerry took out some books from the library. About how many books might that be?
   - 5
   - 50
   - 100
Ordinal Numbers

**Vocabulary**

Circle the **ordinal** numbers. 

| first, 4th, tenth | red |
| second, fifth, 9th | orange |
| 3rd, sixth, eighth | yellow |

| seventh, 11th, fifteenth | blue |
| fourteenth, nineteenth, 12th | green |
| thirteenth, seventeenth | purple |

Color the boxes.

- sixteenth
- 16
- 16th
- first
- 1st
- red
- 4th
- second
- 2nd
- seventh
- 7th
- purple
- 10th
ten
green
- 11th
eleventh
- 12th	
twelfth
- 13th
thirteenth
- 14th
fourteenth
- 15th
fifteenth
- 16th
sixteenth
- 17th
seventeenth
- 18th
eighteenth
- 19th
nineteenth
- 20th
twentieth

16th, eighteenth, twentieth
black
Compare Numbers: >, <, or =

Write greater than, less than, or equal to. Then write >, <, or =.

1. 74 is _______ 89.
   74 ⪯ 89

2. 98 is _______ 87.
   98 ⪯ 87

3. 48 is _______ 43.
   48 ⪯ 43

4. 88 is _______ 99.
   88 ⪯ 99

5. 8 is _______ 8.
   8 ⪯ 8

6. 24 is _______ 38.
   24 ⪯ 38

7. 19 is _______ 16.
   19 ⪯ 16

8. 55 is _______ 55.
   55 ⪯ 55

Mixed Review

Solve.

9. 8 + 4 = ____  6 + 8 = ____  7 + 3 = ____
10. 9 + 9 = ____  10 + 7 = ____  5 + 8 = ____
11. 14 – 7 = ____  16 – 8 = ____  12 – 7 = ____
## Order Numbers: Before, After, Between

Write the number that is just after, just before, or between.

<table>
<thead>
<tr>
<th>after</th>
<th>before</th>
<th>between</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 48,</td>
<td>49</td>
<td>49, 50</td>
</tr>
<tr>
<td>2. 50,</td>
<td>___</td>
<td>___, 61</td>
</tr>
<tr>
<td>3. 19,</td>
<td>___</td>
<td>___, 76</td>
</tr>
<tr>
<td>4. 87,</td>
<td>___</td>
<td>___, 33</td>
</tr>
<tr>
<td>5. 56,</td>
<td>___</td>
<td>___, 62</td>
</tr>
<tr>
<td>6. 21,</td>
<td>___</td>
<td>___, 27</td>
</tr>
</tbody>
</table>

**Mixed Review**

Solve.

7. $9 + 4 = $___
   $8 + 8 = $___
   $5 + 9 = $___

8. $6 + 8 = $___
   $7 + 8 = $___
   $10 + 5 = $___

9. $13 - 9 = $___
   $16 - 9 = $___
   $15 - 8 = $___

10. $11 - 2 = $___
    $10 - 4 = $___
    $12 - 12 = $___
Even and Odd

Show the number of \( \bigcirc \).
Write even or odd.

1. \[ \boxed{15} \] \( \bigcirc \) \[ \boxed{26} \]
2. \[ \boxed{30} \] \[ \boxed{17} \]
3. \[ \boxed{37} \] \[ \boxed{32} \]
4. \[ \boxed{42} \] \[ \boxed{38} \]

Mixed Review

Solve.

11. \[ 3 + 7 = \] \[ 6 + 5 = \] \[ 9 + 1 = \]
12. \[ 7 + 8 = \] \[ 7 + 6 = \] \[ 7 + 7 = \]
13. \[ 15 - 7 = \] \[ 13 - 7 = \] \[ 14 - 7 = \]
14. \[ 12 - 5 = \] \[ 10 - 4 = \] \[ 11 - 6 = \]
Skip-Count

Count by twos. Color those boxes blue.
Count by threes. Color those boxes red.
Count by fours. Draw a triangle around those numbers.
Count by fives. Color those boxes yellow.
Count by tens. Circle those numbers.

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
</tr>
<tr>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
</tr>
<tr>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
</tr>
<tr>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
<td>69</td>
<td>70</td>
</tr>
<tr>
<td>71</td>
<td>72</td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
<td>79</td>
<td>80</td>
</tr>
<tr>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
</tr>
<tr>
<td>91</td>
<td>92</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

1. \(7 + 6 + 1 = \) ___  
   \(5 + 2 + 4 = \) ___  
   \(2 + 4 + 6 = \) ___

2. \(1 + 6 + 3 = \) ___  
   \(7 + 4 + 2 = \) ___  
   \(8 + 2 + 4 = \) ___

3. \(3 + 9 + 0 = \) ___  
   \(8 + 3 + 4 = \) ___  
   \(6 + 6 + 4 = \) ___
Problem Solving • Find a Pattern

Find a pattern to complete the chart.
Write how many.

1. How many wheels are on 6 wagons?

<table>
<thead>
<tr>
<th>number of wagons</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>number of wheels</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are _____ wheels on 6 wagons.

2. How many corners are on 7 triangles?

<table>
<thead>
<tr>
<th>number of triangles</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>number of corners</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are _____ corners on 7 triangles.

3. How many pennies have the same value as 8 nickels?

<table>
<thead>
<tr>
<th>number of nickels</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>number of pennies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

_____ pennies have the same value as 8 nickels.
Picture Graph

Use the graph to answer the questions.

<table>
<thead>
<tr>
<th>Favorite Fruit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>apples</td>
<td>🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎🍎 أمس</td>
</tr>
<tr>
<td>pears</td>
<td>🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏🍏榔</td>
</tr>
<tr>
<td>oranges</td>
<td>🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊🍊?option</td>
</tr>
</tbody>
</table>
| bananas       | 🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌🍌

1. Which is the favorite of the most people?
   - apples

2. Which is the favorite of the fewest people?
   - pears

3. How many more people like apples than oranges?
   - _____ more people

4. How many fewer people like pears than bananas?
   - _____ fewer people

Mixed Review

Solve.

5. \(6¢ + 7¢ = \) _____ ¢
6. \(2¢ + 5¢ = \) _____ ¢
7. \(3¢ + 4¢ = \) _____ ¢
8. \(4¢ + 8¢ = \) _____ ¢
9. \(3¢ + 7¢ = \) _____ ¢
10. \(9¢ + 8¢ = \) _____ ¢
Bar Graph
Use the graph to answer the questions.

1. How many hours does Ann spend playing tennis each week? _____ hours

2. Who spends the fewest hours playing tennis? ______

3. Who spends one more hour than Ben playing tennis? ______

4. How many more hours does Ann spend playing tennis than Jenny? _____ more hours

Mixed Review
Write true or false.

5. 12 > 5 _______ 4 > 2 _______

6. 13 < 4 _______ 12 > 14 _______
Problem Solving • Use a Graph

Jamie’s class made a tally chart and a graph to find out the children’s favorite hobbies.

<table>
<thead>
<tr>
<th>Our Favorite Hobbies</th>
<th>Our Favorite Hobbies</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Games</td>
<td>✓✓✓✓</td>
</tr>
<tr>
<td>Hiking</td>
<td>✓✓✓✓✓✓</td>
</tr>
<tr>
<td>Reading</td>
<td>✓✓✓✓✓</td>
</tr>
<tr>
<td>Music</td>
<td>✓✓✓</td>
</tr>
</tbody>
</table>

Use the graph to answer the questions.

1. Which is the favorite hobby in the class?  
   [Computer Games - Hiking - Reading - Music]

2. Which is the least favorite hobby?  
   [Computer Games - Hiking - Reading - Music]

3. How many children in all like computer games or reading?  
   $$11 + 10 = 21$$

4. How many children like hiking or music?  
   $$10 + 3 = 13$$

5. How many more like reading than music?  
   $$10 - 3 = 7$$

6. How many more like hiking than computer games?  
   $$10 - 11 = -1$$

© Harcourt Practice PW29
Take a Survey

Which color do your classmates like best? Take a survey and make a graph to find out.

1. Ask 10 people which color is their favorite. Fill in the tally table to show their answers.

<table>
<thead>
<tr>
<th>Favorite Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>red</td>
</tr>
<tr>
<td>green</td>
</tr>
<tr>
<td>blue</td>
</tr>
<tr>
<td>yellow</td>
</tr>
</tbody>
</table>

2. Use the tally table to fill in the graph.

<table>
<thead>
<tr>
<th>Favorite Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>red</td>
</tr>
<tr>
<td>green</td>
</tr>
<tr>
<td>blue</td>
</tr>
<tr>
<td>yellow</td>
</tr>
</tbody>
</table>

3. How many people like blue best? ____ people

4. Which color do the most people like best? ________

5. Which color do the fewest people like best? ________

6. How many people in all like blue and red best? ____ people
Interpret Data

Use the table to fill in the bar graph.

<table>
<thead>
<tr>
<th>Number of Children in the Art Club</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 2A</td>
</tr>
<tr>
<td>Class 2B</td>
</tr>
<tr>
<td>Class 2C</td>
</tr>
</tbody>
</table>

Key: Each 🟡 stands for 2 children.

1. Which class has the least number of children in the art club? Class ______

2. How many children from 2B are in the art club? ______ children

3. How many children from 2A and 2C are in the art club? ______ children

4. What is the difference between the number of children in class 2A and 2B? ______ children
Use Pictographs

<table>
<thead>
<tr>
<th>Children Who Ride the Bus to School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room 201</td>
</tr>
<tr>
<td>Room 202</td>
</tr>
<tr>
<td>Room 203</td>
</tr>
</tbody>
</table>

Use the tally table to fill in the pictograph.

Draw 1 😊 for every 2 children.

<table>
<thead>
<tr>
<th>Children Who Ride the Bus to School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room 201</td>
</tr>
<tr>
<td>Room 202</td>
</tr>
<tr>
<td>Room 203</td>
</tr>
</tbody>
</table>

Key: Each 😊 stands for 2 children.

Use the pictograph to answer the questions.

1. How many children in Room 203 ride the bus?
   _____ children

2. Which room has the fewest children who ride the bus?
   ______________________

3. How many more children in Room 202 ride the bus than in Room 203?
   _____ more children

4. How many children in Rooms 201 and 202 ride the bus?
   _____ children
Pennies, Nickels, and Dimes

Vocabulary
Write the value.

1. 
   or
   or
   or

   1 penny = ____ c   1 nickel = ____ c   1 dime = ____ c

Count on to find the total amount.

2. 
   ¢, ¢, ¢, ¢, ¢, ¢

   ____ c, ____ c, ____ c, ____ c, ____ c, ____ c
   41 c

3. 

   ____ c, ____ c, ____ c, ____ c, ____ c, ____ c
   ____ c

4. 

   ____ c, ____ c, ____ c, ____ c, ____ c, ____ c
   ____ c

Mixed Review
Complete.

5. 12, ___, 18, 21
   25, 30, ___, 40

6. ___, 50, 60, 70
   32, ___, 36, 38
Quarters and Half-Dollars

Count on to find the total amount.

1. 25¢, ___, ___, ___, ___, ___, ___¢

2. ___, ___, ___, ___, ___, ___¢

3. ___, ___, ___¢

4. ___, ___, ___, ___, ___¢

Mixed Review

Solve.

5. 4 + 8 = ___ 7 + 6 = ___ 8 + 7 = ___

6. 15 − 7 = ___ 12 − 7 = ___ 14 − 6 = ___
Count Collections

Draw and label the coins in order from greatest to least value. Find the total amount.

1. [Images of coins: 25¢, 10¢, 10¢, 5¢]
   
   
   [Total: 50¢]

2. [Images of coins]

   [Total: __¢]

3. [Images of coins]

   [Total: __¢]

Mixed Review

Write > or <.

4. 87 [ ] 75
   27 [ ] 29
   13 [ ] 9

5. 61 [ ] 69
   47 [ ] 42
   14 [ ] 8

6. 22 [ ] 18
   92 [ ] 99
   64 [ ] 66
**Vocabulary**

Circle the answer.

1. **One dollar** = 10 pennies or 100 pennies

Use coins. Show ways to make $1.00.
Write how many of each coin.

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mixed Review**

Write even or odd.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>8</td>
<td>26</td>
<td>38</td>
</tr>
</tbody>
</table>

© Harcourt
Problem Solving • Draw a Picture

<table>
<thead>
<tr>
<th>Toys</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>yo-yo</td>
<td>69¢</td>
</tr>
<tr>
<td>ring</td>
<td>25¢</td>
</tr>
<tr>
<td>ball</td>
<td>93¢</td>
</tr>
<tr>
<td>boat</td>
<td>75¢</td>
</tr>
</tbody>
</table>

Use the table to solve the problems.
Choose coins to buy each toy.
Draw the coins you used.

1. a boat
   
   ![25¢](25¢) ![25¢](25¢) ![25¢](25¢)

2. a ring
   
   ![Ring](Ring)

3. a ball
   
   ![Ball](Ball)

4. a yo-yo
   
   ![Yo-yo](Yo-yo)
## Make the Same Amounts

Use coins. Show the amount of money in two ways. Draw and label each coin.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>25¢</td>
</tr>
<tr>
<td>2.</td>
<td>10¢</td>
</tr>
<tr>
<td>3.</td>
<td>10¢</td>
</tr>
<tr>
<td>4.</td>
<td>10¢</td>
</tr>
<tr>
<td>5.</td>
<td>10¢</td>
</tr>
</tbody>
</table>

### Mixed Review

Solve.

4. \(12 - 3 = \) ____  \(9 + 5 = \) ____  \(7 + 7 = \) ____

5. \(12 - 9 = \) ____  \(16 - 8 = \) ____  \(13 - 13 = \) ____

6. \(7 + 9 = \) ____  \(9 + 9 = \) ____  \(9 + 8 = \) ____
# Same Amounts Using Fewest Coins

Write the amount. Then show the same amount with the fewest coins. Draw and label each coin.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td></td>
<td>60 ¢</td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td><img src="image3.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td><img src="image4.png" alt="Image" /></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Compare Amounts to Prices

Write the amount.
Write the names and prices of foods you could buy.

<table>
<thead>
<tr>
<th>1. Bread 95¢</th>
<th>2. Cheese 83¢</th>
<th>3. Fruit Bar 65¢</th>
<th>4. Ice Cream 79¢</th>
</tr>
</thead>
<tbody>
<tr>
<td>___________</td>
<td>___________</td>
<td>___________</td>
<td>___________</td>
</tr>
<tr>
<td>5. Banana 59¢</td>
<td>6. Peanut Butter 97¢</td>
<td></td>
<td></td>
</tr>
<tr>
<td>___________</td>
<td>___________</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mixed Review

Write > or <.

7. 88 [ ] 98
62 [ ] 59
27 [ ] 25
Make Change

Count on from the price to find the change. Start with pennies first. Then use nickels or dimes.

1. You have 55¢. You buy
   - 1¢, 1¢, 10¢
   - Your change is 12¢.

2. You have 50¢. You buy
   - 44¢, 45¢, 55¢
   - Your change is _____.

3. You have 70¢. You buy
   - 58¢, 57¢, 55¢
   - Your change is _____.

 Mixed Review

Solve.

4. 7 + ____ = 15 6 + ____ = 14 6 + ____ = 12
5. 16 − ____ = 8 12 − ____ = 7 14 − ____ = 8
6. 9 + ____ = 15 5 + ____ = 14 9 + ____ = 18
Problem Solving • Make a List

There are 5 coins in Lisa’s bag.
None of the coins is greater than 10¢.
What coins could there be?
Make a list to find out.

<table>
<thead>
<tr>
<th>dimes</th>
<th>nickels</th>
<th>pennies</th>
<th>total amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>0</td>
<td>0</td>
<td>50¢</td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

1. ____ , 10, 11, 12

2. 1, 2, ____ , 4, 5

3. 7, ____ , 9, 10

4. 10, ____ , 12, 13
Tell Time to 5 Minutes

Write the time.

1.

\[
\begin{array}{ccc}
2:00 & & \\
\end{array}
\]

2.

\[
\begin{array}{ccc}
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\end{array}
\]

3.

\[
\begin{array}{ccc}
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\_ & \_ & \_ \\
\end{array}
\]

Mixed Review

Complete the pattern.

4. 44, 46, 48, ____ 70, 80, 90, ____
5. 12, 14, 16, ____ 75, 80, 85, ____
6. 21, 23, 25, ____ 9, 12, 15, ____
7. 28, 38, 48, ____ 66, 68, 70, ____
Time After the Hour

Draw the minute hand to show the time.
Write the time.

1. 5 minutes after 7
   
   ![Clock showing 7:05]

   7:05

2. 15 minutes after 12
   
   ![Clock showing 12:15]

3. 30 minutes after 3
   
   ![Clock showing 3:30]

4. Quarter past 2
   
   ![Clock showing 2:15]

5. 40 minutes after 7
   
   ![Clock showing 7:40]

6. Half past 8
   
   ![Clock showing 8:30]

7. 45 minutes after 4
   
   ![Clock showing 4:45]

8. 20 minutes after 2
   
   ![Clock showing 2:20]

9. 25 minutes after 7
   
   ![Clock showing 7:25]

Mixed Review

Solve.

10. 5 + 10 = ____  10 - 6 = ____  16 - 8 = ____

11. 9 + 3 = ____  10 + 5 = ____  11 - 5 = ____
# Time Before the Hour

Draw the minute hand to show the time. Write the time.

1. 5 minutes before 9
   ![Clock](image1)
   8:55

2. 15 minutes before 5
   ![Clock](image2)
   : 

3. 20 minutes before 4
   ![Clock](image3)
   : 

4. 10 minutes before 6
   ![Clock](image4)
   : 

5. Quarter to 2
   ![Clock](image5)
   : 

6. 25 minutes before 1
   ![Clock](image6)
   : 

7. 20 minutes before 7
   ![Clock](image7)
   : 

8. 5 minutes before 8
   ![Clock](image8)
   : 

9. Quarter to 3
   ![Clock](image9)
   : 

### Mixed Review

Fill in the pattern.

10. 15, 20, ____, 30, 35
11. ____, 40, 50, 60, 70
12. 15, 18, 21, 24, ____
13. 6, ____, 10, 12, 14
Practice Telling Time

Write the time.

1. 

2. 

3. 

4. 

Mixed Review

Write > or <.

5. 36 63  22 12  66 56
Daily Events

Write the correct time. Circle A.M. or P.M.

1. eat breakfast
   
   7:45 A.M. P.M.

2. go to school
   
   ______ A.M. P.M.

3. read before bed
   
   ______ A.M. P.M.

4. eat lunch at school
   
   ______ A.M. P.M.

5. have recess
   
   ______ A.M. P.M.

6. go to practice
   
   ______ A.M. P.M.

Mixed Review

Complete the pattern.

7. 20, 25, 30, ___  6, 8, 10, ___  15, 17, 19, ___

8. 12, 15, 18, ___  80, 90, 100, ___  55, 60, 65, ___
Problem Solving • Use a Model

Use a to help solve the problem.
Write how much time has passed.

1. Sam begins to play tennis at 3:30 P.M. He finishes playing at 4:30 P.M. How much time has passed?

2. June begins to eat lunch at 12:10 P.M. She finishes at 12:30 P.M. How much time has passed?

3. Bill takes a nap at 3:15 P.M. He wakes up at 4:00 P.M. How much time has passed?

4. Sue’s family takes a trip to the beach. The family leaves home at 9:15 A.M. They get to the beach at 12:15 P.M. How much time has passed?

5. Allison begins to read her book at 4:00 P.M. She finishes the book at 6:00 P.M. How much time has passed?

6. Ali delivers newspapers. He begins at 6:30 A.M. He finishes at 7:30 A.M. How much time has passed?

7. Andy takes a bath at 7:45 P.M. He gets out of the bath at 8:00 P.M. How much time has passed?

8. The children play in the yard. They begin to play at 11:30 A.M. They finish at 2:30 P.M. How much time has passed?

Mixed Review
What number comes between?

9. 69, _____, 71

10. 3, _____, 5
Use a Calendar

Use the calendar to answer the questions.

1. At the end of which month does the year end?
   December

2. What is the third month of the year?

3. Which month follows July?

4. What day is one week before September 12?

5. How many Saturdays are in the month of April?

6. How many days are in the month of April?

Mixed Review

Complete the pattern.

7. 15, 20, 25, ______

8. 43, 53, 63, ______

24, 26, 28, ______, ______

13, 16, 19, ______, ______
Estimate Time

About how long will it take? Circle the reasonable estimate.

1. take out the garbage
   - 5 minutes
   - 5 days

2. wash the dishes
   - 30 hours
   - 30 minutes

3. do homework
   - 2 minutes
   - 2 hours

4. walk to school
   - 10 days
   - 10 minutes

5. drink a glass of milk
   - 3 minutes
   - 3 months

6. write a letter
   - 15 minutes
   - 15 weeks

Mixed Review

What number comes between?

7. 14, _____, 16
    19, _____, 21
    29, _____, 31

8. 89, _____, 91
    40, _____, 42
    66, _____, 68
Time Relationships

Write more than, less than, or the same as for each sentence.

<table>
<thead>
<tr>
<th>Time Relationships</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>There are 60 minutes in 1 hour.</td>
<td></td>
</tr>
<tr>
<td>There are 24 hours in 1 day.</td>
<td></td>
</tr>
<tr>
<td>There are 7 days in 1 week.</td>
<td></td>
</tr>
<tr>
<td>There are 28, 30, or 31 days in 1 month.</td>
<td></td>
</tr>
<tr>
<td>There are 12 months in 1 year.</td>
<td></td>
</tr>
<tr>
<td>There are about 52 weeks in 1 year.</td>
<td></td>
</tr>
</tbody>
</table>

1. Steve plays ball after school every day for 4 straight days. This is **less than** 1 week.

2. It takes Pam 30 minutes to walk her dog. This is **____________** 1 hour.

3. Tim goes to summer camp for 45 days. This is **____________** 1 month.

4. Annie plays tennis for 1 hour. This is **____________** 60 minutes.

5. The soccer game lasted for 2 hours. This is **____________** 1 day.

6. 13, _____, 11  86, _____, 84  56, _____, 58

7. 55, _____, 53  98, _____, 96  49, _____, 51
Add Tens

Add.

1. \[ 2 + 4 = 6 \]
   \[ 2 \text{ tens} + 4 \text{ tens} = 6 \text{ tens} \]
   \[ 20 + 40 = 60 \]

2. \[ 5 + 4 = 9 \]
   \[ 5 \text{ tens} + 4 \text{ tens} = 9 \text{ tens} \]
   \[ 50 + 40 = 90 \]

3. \[ 7 + 2 = 9 \]
   \[ 7 \text{ tens} + 2 \text{ tens} = 9 \text{ tens} \]
   \[ 70 + 20 = 90 \]

4. \[ 6 + 1 = 7 \]
   \[ 6 \text{ tens} + 1 \text{ tens} = 7 \text{ tens} \]
   \[ 60 + 10 = 70 \]

5. \[ 4 + 3 = 7 \]
   \[ 4 \text{ tens} + 3 \text{ tens} = 7 \text{ tens} \]
   \[ 40 + 30 = 70 \]

6. \[ 8 + 0 = 8 \]
   \[ 8 \text{ tens} + 0 \text{ tens} = 8 \text{ tens} \]
   \[ 80 + 0 = 80 \]

7. \[ 1 + 4 = 5 \]
   \[ 1 \text{ tens} + 4 \text{ tens} = 5 \text{ tens} \]
   \[ 10 + 40 = 50 \]

8. \[ 5 + 3 = 8 \]
   \[ 5 \text{ tens} + 3 \text{ tens} = 8 \text{ tens} \]
   \[ 50 + 30 = 80 \]

Mixed Review

Solve.

9. \[ 8 + 8 = \quad 7 + 4 = \quad \quad + 6 = 13 \]
10. \[ \quad + 7 = 15 \quad 3 + 7 = \quad \quad + 6 = 15 \]
11. \[ 9 + \quad = 15 \quad 7 + \quad = 14 \quad 9 + \quad = 12 \]
Count on Tens and Ones

Count on to add.

1. \[
\begin{array}{cccccc}
30 & 75 & 61 & 54 & 18 \\
+39 & +3 & +30 & +2 & +20 \\
\hline
69 \\
\end{array}
\]

2. \[
\begin{array}{cccccc}
1 & 44 & 67 & 83 & 2 \\
+29 & +20 & +10 & +3 & +41 \\
\hline
\end{array}
\]

3. \[
\begin{array}{cccccc}
90 & 3 & 54 & 74 & 38 \\
+3 & +18 & +30 & +2 & +10 \\
\hline
\end{array}
\]

4. \[
\begin{array}{cccccc}
2 & 21 & 36 & 55 & 67 \\
+59 & +3 & +20 & +10 & +2 \\
\hline
\end{array}
\]

Mixed Review

What comes next? Write the number.

5. 3, 6, 9, \____\ 7, 8, 9, \____\ 22, 24, 26, \____\n
6. 25, 30, 35, \____\ 20, 30, 40, \____\ 10, 12, 14, \____\
Model Adding 1-Digit to 2-Digits

Use Workmat 3 and ______________.

<table>
<thead>
<tr>
<th>Show.</th>
<th>Add the ones. Are there 10 or more ones? If so, regroup 10 ones as 1 ten.</th>
<th>Write how many tens and ones.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>16 + 7</td>
<td>2 tens 3 ones</td>
</tr>
<tr>
<td>2.</td>
<td>34 + 7</td>
<td>__ tens ___ one</td>
</tr>
<tr>
<td>3.</td>
<td>46 + 4</td>
<td>__ tens ___ ones</td>
</tr>
<tr>
<td>4.</td>
<td>63 + 5</td>
<td>__ tens ___ ones</td>
</tr>
<tr>
<td>5.</td>
<td>38 + 5</td>
<td>__ tens ___ ones</td>
</tr>
</tbody>
</table>

 Mixed Review

Solve.

6. 13 – 7 = ____  10 – 10 = ____  14 – 7 = ____

7. 15 – 8 = ____  16 – 8 = ____  12 – 5 = ____
# Model 2-Digit Addition

Use Workmat 3 and .

<table>
<thead>
<tr>
<th>Show.</th>
<th>Add the ones. Are there 10 or more ones? If so, regroup 10 ones as 1 ten.</th>
<th>Write how many tens and ones.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>27 + 16</td>
<td>Yes</td>
</tr>
<tr>
<td>2.</td>
<td>35 + 16</td>
<td>Yes</td>
</tr>
<tr>
<td>3.</td>
<td>44 + 55</td>
<td>Yes</td>
</tr>
<tr>
<td>4.</td>
<td>57 + 25</td>
<td>Yes</td>
</tr>
<tr>
<td>5.</td>
<td>62 + 34</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## Mixed Review

Solve.

6. \(10 - 2 = \) ____  
7. \(11 - 7 = \) ____  
8. \(15 - 8 = \) ____  

9. \(7 + 7 = \) ____  
10. \(6 + 8 = \) ____  
11. \(9 + 4 = \) ____
Problem Solving • Make a Model

Use Workmat 3 and \(3\). Add. Regroup if you need to. Write the sum.

1. The sports store sold 13 mitts last week and 17 mitts this week. How many mitts were sold?

\[
\begin{array}{c|c}
\text{tens} & \text{ones} \\
3 & 7 \\
\hline
3 & 0 \\
\end{array}
\]

--- mitts

2. There are 20 baseball bats for sale on the shelf. There are 19 bats in the back room. How many bats are for sale in all?

--- bats

3. One box holds 18 baseballs. Another box holds 23 baseballs. How many baseballs are there in all?

--- baseballs

4. 19 children buy baseball caps on Monday. 16 children buy caps on Tuesday. How many caps were sold in all?

--- caps
Add 2-Digit Numbers

Use Workmat 3 and . Add. Regroup if you need to.

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>+</td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

Mixed Review

Write the number.

13. 5 tens 5 ones = _____  3 tens 7 ones = _____
14. 6 tens 3 ones = _____  4 tens 5 ones = _____
More 2-Digit Addition

Use Workmat 3 and . Add. Regroup if you need to.

1. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
2 & 8 \\
+4 & 5 \\
\hline
7 & 3 \\
\end{array}
\]

2. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
1 & 4 \\
+3 & 6 \\
\hline
\_ & \_ \\
\end{array}
\]

3. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
7 & 5 \\
+1 & 6 \\
\hline
\_ & \_ \\
\end{array}
\]

4. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
3 & 5 \\
+2 & 6 \\
\hline
\_ & \_ \\
\end{array}
\]

5. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
6 & 7 \\
+1 & 9 \\
\hline
\_ & \_ \\
\end{array}
\]

6. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
5 & 9 \\
+1 & 8 \\
\hline
\_ & \_ \\
\end{array}
\]

7. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
5 & 7 \\
+2 & 2 \\
\hline
\_ & \_ \\
\end{array}
\]

8. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
4 & 2 \\
+1 & 9 \\
\hline
\_ & \_ \\
\end{array}
\]

9. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
2 & 6 \\
+2 & 6 \\
\hline
\_ & \_ \\
\end{array}
\]

10. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
4 & 4 \\
+1 & 7 \\
\hline
\_ & \_ \\
\end{array}
\]

11. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
4 & 6 \\
+2 & 5 \\
\hline
\_ & \_ \\
\end{array}
\]

12. \[
\begin{array}{c|c}
\text{Tens} & \text{Ones} \\
\hline
5 & 7 \\
+3 & 8 \\
\hline
\_ & \_ \\
\end{array}
\]

Mixed Review

Solve.

13. \[
\begin{array}{c|c|c|c|c|c|c}
\text{Tens} & \text{Ones} & \text{Tens} & \text{Ones} & \text{Tens} & \text{Ones} & \text{Tens} & \text{Ones} \\
\hline
3 & 6 & 7 & 9 & 7 & 4 \\
\end{array}
\]

+9 +4 +7 +8 +6 +8
Rewrite 2-Digit Addition

Rewrite the numbers in each problem. Then add.

1. \(53 + 18\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   5 & 3 \\
   +1 & 8 \\
   \hline
   7 & 1
   \end{array}
   \]

2. \(26 + 13\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

3. \(17 + 7\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

4. \(38 + 29\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

5. \(44 + 44\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

6. \(37 + 53\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

7. \(23 + 39\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

8. \(66 + 13\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

9. \(59 + 19\)
   \[
   \begin{array}{c|c}
   \text{Tens} & \text{Ones} \\
   \hline
   & \\
   + & \\
   \hline
   & 
   \end{array}
   \]

10. \(57 + 8\)
    \[
    \begin{array}{c|c}
    \text{Tens} & \text{Ones} \\
    \hline
    & \\
    + & \\
    \hline
    & 
    \end{array}
    \]

11. \(81 + 12\)
    \[
    \begin{array}{c|c}
    \text{Tens} & \text{Ones} \\
    \hline
    & \\
    + & \\
    \hline
    & 
    \end{array}
    \]

12. \(46 + 44\)
    \[
    \begin{array}{c|c}
    \text{Tens} & \text{Ones} \\
    \hline
    & \\
    + & \\
    \hline
    & 
    \end{array}
    \]

Mixed Review

Solve.

13. \(14 - 5\)  \(13 - 7\)  \(10 - 3\)  \(16 - 7\)  \(15 - 9\)
Problem Solving • Estimate Sums

Use the number line to round. Show your addition problem.

1. Lou has 27 apples. Bobby gives him 22 apples. About how many apples does Lou have?

   50 apples

2. Brenda has 33 oranges. Sally gives her 39 oranges. About how many oranges does Brenda have?

3. Steve has 26 peaches. Jill gives him 34 peaches. About how many peaches does Steve have?

4. Emma has 21 pears. She buys 38 more pears. About how many pears does Emma have?
More 2-Digit Addition

Add.

1. \[
\begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
5 & 3 \\
\hline
2 & 7 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
4 & 3 \\
\hline
1 & 9 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
7 & 2 \\
\hline
2 & 6 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
3 & 5 \\
\hline
3 & 6 \\
\hline
\end{array}
\]

2. \[
\begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
6 & 5 \\
\hline
1 & 7 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
1 & 8 \\
\hline
1 & 5 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
2 & 8 \\
\hline
3 & 2 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
1 & 4 \\
\hline
2 & 7 \\
\hline
\end{array}
\]

3. \[
\begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
3 & 6 \\
\hline
4 & 5 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
2 & 8 \\
\hline
2 & 7 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
6 & 1 \\
\hline
3 & 5 \\
\hline
\end{array}
\quad \begin{array}{c@{}c@{}c}
\text{tens} & \text{ones} \\
2 & 5 \\
\hline
1 & 5 \\
\hline
\end{array}
\]

Mixed Review

Solve.

4. \[2 + 7 = \quad \text{7 + 1 = } \quad \text{4 + 3 = }\]

5. \[52 + 3 = \quad \text{36 + 2 = } \quad \text{61 + 8 = }\]
Use Mental Math to Find Sums
Use mental math to add.

1. $17 + 56 = \underline{73}$
   Think.
   Add the tens. $10 + 50 = 60$
   Then add the ones. $7 + 6 = 13$
   Add the tens and ones.
   $60 + 13 = 73$

2. $22 + 35 = \underline{57}$
   Think.
   _____ + _____ = _____
   _____ + _____ = _____
   _____ + _____ = _____

3. $51 + 20 = \underline{71}$
   Think
   _____ + _____ = _____
   _____ + _____ = _____
   _____ + _____ = _____

4. $48 + 47 = \underline{95}$
   Think.
   _____ + _____ = _____
   _____ + _____ = _____
   _____ + _____ = _____

5. $32 + 48 = \underline{80}$
   Think.
   _____ + _____ = _____
   _____ + _____ = _____
   _____ + _____ = _____

6. $57 + 41 = \underline{98}$
   Think.
   _____ + _____ = _____
   _____ + _____ = _____
   _____ + _____ = _____

Mixed Review
Solve.

7. $17 + 5 = \underline{22}$
   $42 + 6 = \underline{48}$
   $6 + 22 = \underline{28}$

8. $55 - 3 = \underline{52}$
   $27 - 2 = \underline{25}$
   $18 - 4 = \underline{14}$
Practice Adding 2-Digit Numbers

Look at the tens. In each row, circle in red the problem that will have the greatest sum. In each row, circle in blue the problem that will have the least sum. Then add.

1. \[ \begin{array}{c}
25 + 18 \\
43 \\
\end{array} \quad \begin{array}{c}
12 + 15 \\
27 \\
\end{array} \quad \begin{array}{c}
49 + 12 \\
61 \\
\end{array} \quad \begin{array}{c}
57 + 28 \\
85 \\
\end{array} \quad \begin{array}{c}
71 + 19 \\
90 \\
\end{array} \]

2. \[ \begin{array}{c}
22 + 10 \\
32 \\
\end{array} \quad \begin{array}{c}
39 + 46 \\
85 \\
\end{array} \quad \begin{array}{c}
16 + 46 \\
62 \\
\end{array} \quad \begin{array}{c}
65 + 32 \\
97 \\
\end{array} \quad \begin{array}{c}
47 + 17 \\
64 \\
\end{array} \]

3. \[ \begin{array}{c}
56 + 4 \\
59 \\
\end{array} \quad \begin{array}{c}
35 + 14 \\
49 \\
\end{array} \quad \begin{array}{c}
26 + 46 \\
72 \\
\end{array} \quad \begin{array}{c}
43 + 19 \\
62 \\
\end{array} \quad \begin{array}{c}
17 + 36 \\
53 \\
\end{array} \]

4. \[ \begin{array}{c}
75 + 18 \\
93 \\
\end{array} \quad \begin{array}{c}
18 + 22 \\
40 \\
\end{array} \quad \begin{array}{c}
56 + 28 \\
84 \\
\end{array} \quad \begin{array}{c}
63 + 8 \\
71 \\
\end{array} \quad \begin{array}{c}
19 + 11 \\
30 \\
\end{array} \]

Mixed Review

Solve.

5. \[ \begin{array}{c}
48 + 1 \\
49 \\
\end{array} \quad \begin{array}{c}
24 + 3 \\
27 \\
\end{array} \quad \begin{array}{c}
60 + 7 \\
67 \\
\end{array} \quad \begin{array}{c}
51 + 5 \\
56 \\
\end{array} \]
Problem Solving • Make and Use a Graph

The second grade class decided to plant flowers around the school.

1. Complete the graph to show how many children planted each kind of flower.

2. How many children in all planted pansies and daisies? _____ children

3. How many children in all planted roses and tulips? _____ children

4. How many children in all planted flowers? _____ children

Flowers

<table>
<thead>
<tr>
<th>flowers</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td>roses</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pansies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>tulips</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>daisies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Subtract Tens

Subtract.

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>5</td>
<td>5 tens</td>
<td>50</td>
<td></td>
<td>2.</td>
<td>7</td>
<td>7 tens</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td></td>
<td>− 4</td>
<td>4 tens</td>
<td>− 40</td>
<td></td>
<td></td>
<td>− 3</td>
<td>3 tens</td>
<td>− 30</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ten</td>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 3. | 6 | 6 tens | 60 |   | 4. | 8 | 8 tens | 80 |   |
|    | − 3 | 3 tens | − 30 |   |    | − 2 | 2 tens | − 20 |   |
|    |   | tens |   |   |    |   | tens |   |   |

| 5. | 9 | 9 tens | 90 |   | 6. | 4 | 4 tens | 40 |   |
|    | − 5 | 5 tens | − 50 |   |    | − 1 | 1 tens | − 10 |   |
|    |   | tens |   |   |    |   | tens |   |   |

| 7. | 3 | 3 tens | 30 |   | 8. | 2 | 2 tens | 20 |   |
|    | − 3 | 3 tens | − 30 |   |    | − 0 | 0 tens | − 0 |   |
|    |   | tens |   |   |    |   | tens |   |   |

### Mixed Review

Solve.

9. 7 − 4 = ___
10. 6 − 3 = ___
11. 8 + 4 = ___

7 − 2 = ___
12 − 7 = ___
5 + 2 = ___

9 − 5 = ___
10 − 6 = ___
4 + 1 = ___
Mental Math: Count Back Tens and Ones

Circle the problems you would solve by counting back by tens. Then subtract.

1. \[
\begin{array}{cccc}
\text{66} & \text{52} & \text{77} & \text{22} \\
-20 & -40 & -5 & -10 \\
\hline
\text{46} & \text{} & \text{} & \text{}
\end{array}
\]

2. \[
\begin{array}{cccc}
\text{48} & \text{65} & \text{89} & \text{99} \\
-3 & -30 & -70 & -4 \\
\hline
\text{} & \text{} & \text{} & \text{}
\end{array}
\]

3. \[
\begin{array}{cccc}
\text{36} & \text{44} & \text{18} & \text{59} \\
-6 & -20 & -3 & -10 \\
\hline
\text{} & \text{} & \text{} & \text{}
\end{array}
\]

4. \[
\begin{array}{cccc}
\text{35} & \text{78} & \text{42} & \text{87} \\
-2 & -30 & -10 & -5 \\
\hline
\text{} & \text{} & \text{} & \text{}
\end{array}
\]

Mixed Review

Solve.

5. \[15 - 10 = \underline{\hspace{2cm}}\] \[12 - 8 = \underline{\hspace{2cm}}\] \[16 - 13 = \underline{\hspace{2cm}}\]

6. \[11 - 7 = \underline{\hspace{2cm}}\] \[12 - 6 = \underline{\hspace{2cm}}\] \[15 - 8 = \underline{\hspace{2cm}}\]

7. \[17 - 5 = \underline{\hspace{2cm}}\] \[15 - 13 = \underline{\hspace{2cm}}\] \[14 - 11 = \underline{\hspace{2cm}}\]

8. \[16 - 9 = \underline{\hspace{2cm}}\] \[14 - 7 = \underline{\hspace{2cm}}\] \[13 - 10 = \underline{\hspace{2cm}}\]
Regroup Tens as Ones

Use Workmat 3 and □ □ □ □ □ □ □.

<table>
<thead>
<tr>
<th>Subtract.</th>
<th>Do you need to regroup?</th>
<th>Subtract. Write how many are left.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 24 − 8 = 16</td>
<td>Yes □ No □</td>
<td>1 tens 6 ones</td>
</tr>
<tr>
<td>2. 32 − 5 = ____</td>
<td>Yes □ No □</td>
<td>____ tens ____ ones</td>
</tr>
<tr>
<td>3. 23 − 9 = ____</td>
<td>Yes □ No □</td>
<td>____ ten ____ ones</td>
</tr>
<tr>
<td>4. 70 − 8 = ____</td>
<td>Yes □ No □</td>
<td>____ tens ____ ones</td>
</tr>
<tr>
<td>5. 55 − 2 = ____</td>
<td>Yes □ No □</td>
<td>____ tens ____ ones</td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

6. 7 + 6 = ____  
   9 + 2 = ____  
   8 + 6 = ____  

7. 8 + 8 = ____  
   4 + 8 = ____  
   9 + 5 = ____  

8. 5 + 7 = ____  
   11 + 5 = ____  
   3 + 7 = ____
Model 2-Digit Subtraction

Use Workmat 3 and .

<table>
<thead>
<tr>
<th>Subtract.</th>
<th>Do you need to regroup?</th>
<th>Write how many are left.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. $36 - 8 = 28$</td>
<td>Yes</td>
<td>28</td>
</tr>
<tr>
<td>2. $54 - 26 = ___$</td>
<td>Yes</td>
<td>___</td>
</tr>
<tr>
<td>3. $75 - 44 = ___$</td>
<td>Yes</td>
<td>___</td>
</tr>
<tr>
<td>4. $63 - 28 = ___$</td>
<td>Yes</td>
<td>___</td>
</tr>
<tr>
<td>5. $33 - 15 = ___$</td>
<td>Yes</td>
<td>___</td>
</tr>
<tr>
<td>6. $47 - 18 = ___$</td>
<td>Yes</td>
<td>___</td>
</tr>
</tbody>
</table>

Mixed Review

Solve.

7. $12 - 7 = \_\_\_$  16 - 7 = \_\_\_$  15 - 7 = \_\_\_$
8. $13 - 5 = \_\_\_$  17 - 9 = \_\_\_$  14 - 7 = \_\_\_$
9. $11 - 9 = \_\_\_$  10 - 3 = \_\_\_$  13 - 9 = \_\_\_$
Practice Modeling 2-Digit Subtraction

Use Workmat 3 and . Find the difference.

1. Tens Ones
   \[ \begin{array}{cc}
   4 & 10 \\
   -1 & 9 \\
   \hline
   3 & 1 \\
   \end{array} \]

2. Tens Ones
   \[ \begin{array}{cc}
   4 & 8 \\
   -2 & 5 \\
   \hline
   & 3 \\
   \end{array} \]

3. Tens Ones
   \[ \begin{array}{cc}
   2 & 5 \\
   -1 & 7 \\
   \hline
   & 8 \\
   \end{array} \]

4. Tens Ones
   \[ \begin{array}{cc}
   3 & 3 \\
   -1 & 8 \\
   \hline
   & 8 \\
   \end{array} \]

5. Tens Ones
   \[ \begin{array}{cc}
   3 & 5 \\
   -2 & 5 \\
   \hline
   & 0 \\
   \end{array} \]

6. Tens Ones
   \[ \begin{array}{cc}
   4 & 4 \\
   -2 & 8 \\
   \hline
   & 2 \\
   \end{array} \]

7. Tens Ones
   \[ \begin{array}{cc}
   1 & 9 \\
   -1 & 3 \\
   \hline
   & 6 \\
   \end{array} \]

8. Tens Ones
   \[ \begin{array}{cc}
   5 & 6 \\
   -2 & 8 \\
   \hline
   & 2 \\
   \end{array} \]

9. Tens Ones
   \[ \begin{array}{cc}
   4 & 2 \\
   -3 & 4 \\
   \hline
   & 6 \\
   \end{array} \]

10. Tens Ones
    \[ \begin{array}{cc}
    3 & 7 \\
    -2 & 2 \\
    \hline
    & 5 \\
    \end{array} \]

11. Tens Ones
    \[ \begin{array}{cc}
    5 & 6 \\
    -3 & 6 \\
    \hline
    & 9 \\
    \end{array} \]

12. Tens Ones
    \[ \begin{array}{cc}
    2 & 7 \\
    -1 & 8 \\
    \hline
    & 9 \\
    \end{array} \]

Mixed Review

Solve.

13. \( 36 + 4 = \) ___  \( 19 + 2 = \) ___  \( 6 + 42 = \) ___

14. \( 5 + 30 = \) ___  \( 46 + 6 = \) ___  \( 75 + 6 = \) ___
# Subtract 2-Digit Numbers

Circle the problems in which you need to regroup. Subtract. Regroup if you need to.

### 1.

<table>
<thead>
<tr>
<th></th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>-</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>-</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

### 2.

<table>
<thead>
<tr>
<th></th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>-</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>-</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>-</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

### 3.

<table>
<thead>
<tr>
<th></th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>-</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>5</td>
</tr>
<tr>
<td>-</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>-</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>-</td>
<td>2</td>
<td>5</td>
</tr>
</tbody>
</table>

### Mixed Review

About how much time will it take? Circle your answer.

4. to snap your fingers   second  minute  hour
5. to take a deep breath   second  minute  hour
6. to watch a movie   second  minute  hour
7. to wash your hands   second  minute  hour
Rewrite 2-Digit Subtraction

Rewrite the numbers in each problem. Then subtract.

1. \( 61 - 37 \)
   \[
   \begin{array}{c|c}
   \text{tens} & \text{ones} \\
   \hline
   5 & 11 \\
   \hline
   6 & 1 \\
   \hline
   -3 & 7 \\
   \hline
   2 & 4 \\
   \end{array}
   \]

2. \( 64 - 27 \)
   \[
   \begin{array}{c|c}
   \text{tens} & \text{ones} \\
   \hline
   \ & \ \\
   \hline
   \ & \ \\
   \hline
   \ & \ \\
   \hline
   \ & \ \\
   \end{array}
   \]

3. \( 63 - 37 \)
   \[
   \begin{array}{c|c}
   \text{tens} & \text{ones} \\
   \hline
   \ & \ \\
   \hline
   \ & \ \\
   \hline
   \ & \ \\
   \hline
   \ & \ \\
   \end{array}
   \]

Mixed Review

Complete the pattern.

4. \( 30, 40, 50, 60, \) \( \) \( \) \( 8, 10, 12, 14, \) \( \)

5. \( 12, 15, 18, 21, \) \( \) \( \) \( 60, 70, 80, 90, \) \( \)
More 2-Digit Subtractions
Circle the problems in which you need to regroup. Then subtract.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>33</td>
<td>2.</td>
<td>56</td>
<td>3.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>67</td>
<td>6.</td>
<td>45</td>
<td>7.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>97</td>
<td>11.</td>
<td>45</td>
<td>12.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>13.</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>94</td>
<td>16.</td>
<td>61</td>
<td>17.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18.</td>
<td>74</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review
Write the amount.

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PW72 Practice
Problem Solving • Estimate Differences

Estimate by rounding. Then solve.

1. Kim is reading a magazine. The magazine has 57 pages. She has read 38 pages. How many pages does Kim have left?

   estimate: 60
   solve: 41

   \[
   \begin{array}{c}
   57 \\ \hline
   38 \\ \hline
   19
   \end{array}
   \]

   19 pages

2. Jim is reading a book. The book has 52 pages. Jim has read 37 pages. How many pages does Jim have left?

   ______ pages

3. Kiki is reading a newspaper. The newspaper has 59 pages. Kiki has read 37 pages. How many pages does Kiki have left?

   ______ pages

4. There are 42 pages in a book. 29 pages do not have pictures. How many pages have pictures?

   ______ pages

Mixed Review

Subtract.

5. \[50 - 15 = \text{____} \]
   \[35 - 10 = \text{____} \]
   \[55 - 25 = \text{____} \]

6. \[40 - 20 = \text{____} \]
   \[30 - 5 = \text{____} \]
   \[60 - 30 = \text{____} \]
Use Addition to Check Subtraction

Subtract. Add to check.

1. \[
\begin{array}{c}
56 \\
- 11 \\
\hline
45
\end{array}
\quad + \quad \begin{array}{c}
45 \\
11 \\
\hline
56
\end{array}
\]

2. \[
\begin{array}{c}
34 \\
- 16 \\
\hline
18
\end{array}
\]

3. \[
\begin{array}{c}
19 \\
- 11 \\
\hline
8
\end{array}
\]

4. \[
\begin{array}{c}
78 \\
- 29 \\
\hline
49
\end{array}
\]

5. \[
\begin{array}{c}
94 \\
- 57 \\
\hline
37
\end{array}
\]

6. \[
\begin{array}{c}
47 \\
- 16 \\
\hline
31
\end{array}
\]

7. \[
\begin{array}{c}
41 \\
- 17 \\
\hline
24
\end{array}
\]

8. \[
\begin{array}{c}
37 \\
- 15 \\
\hline
22
\end{array}
\]

9. \[
\begin{array}{c}
85 \\
- 48 \\
\hline
37
\end{array}
\]

10. \[
\begin{array}{c}
99 \\
- 27 \\
\hline
72
\end{array}
\]

11. \[
\begin{array}{c}
85 \\
- 76 \\
\hline
8
\end{array}
\]

12. \[
\begin{array}{c}
51 \\
- 24 \\
\hline
27
\end{array}
\]

Mixed Review

Solve.

13. \[
\begin{array}{c}
46 \\
\bigcirc \quad 62
\end{array}
\]

14. \[
\begin{array}{c}
43 \\
\bigcirc \quad 52
\end{array}
\]

15. \[
\begin{array}{c}
35 \\
\bigcirc \quad 25
\end{array}
\]

16. \[
\begin{array}{c}
94 \\
\bigcirc \quad 87
\end{array}
\]

17. \[
\begin{array}{c}
73 \\
\bigcirc \quad 75
\end{array}
\]

18. \[
\begin{array}{c}
89 \\
\bigcirc \quad 99
\end{array}
\]

19. \[
\begin{array}{c}
76 \\
\bigcirc \quad 69
\end{array}
\]

20. \[
\begin{array}{c}
50 \\
\bigcirc \quad 49
\end{array}
\]
Use Mental Math to Find Differences

Use what you learned to find the differences.

<table>
<thead>
<tr>
<th>No.</th>
<th>Original Problem</th>
<th>Added</th>
<th>Subtracted</th>
<th>So.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>46 - 18</td>
<td>46 + 2 = 48</td>
<td>48 - 20 = 28</td>
<td>46 - 18 = 28</td>
</tr>
<tr>
<td>2.</td>
<td>74 - 39</td>
<td>74 + _ = _</td>
<td>_ - _ = _</td>
<td>74 - 39 = _</td>
</tr>
</tbody>
</table>

Try subtracting these numbers in your head.

<table>
<thead>
<tr>
<th>No.</th>
<th>Original Problem</th>
<th>Subtracted</th>
<th>So.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>38 - 19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>54 - 29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>24 - 17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>47 - 29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>64 - 17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>42 - 7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>93 - 78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>75 - 29</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review

11. How many tens are in 98? _____
12. How many ones are in 83? _____
13. How many tens are in 13? _____
14. How many ones are in 30? _____

Practice PW75
Practice Subtracting 2-Digit Numbers

Subtract. Then use the code to read the message.

| 1 = a | 6 = f | 11 = k | 16 = p | 21 = u |
| 2 = b | 7 = g | 12 = l | 17 = q | 22 = v |
| 3 = c | 8 = h | 13 = m | 18 = r | 23 = w |
| 4 = d | 9 = i | 14 = n | 19 = s | 24 = x |
| 5 = e | 10 = j | 15 = o | 20 = t | 25 = y |
|       |       |       |       | 26 = z |

\[
\begin{array}{ccccccc}
12 & 10 & 63 & 43 & 25 & 36 & 45 \\
-3 & -9 & -50 & -21 & -20 & -18 & -20 \\
\end{array}
\]

\[
\begin{array}{cccc}
? & \Box & \Box & \Box \\
18 & 20 & 30 & 36 \\
-11 & -5 & -15 & -32 \\
\end{array}
\]

\[
\begin{array}{cccc}
\Box & \Box & \Box & \Box \\
43 & 10 & 55 & 42 \\
-30 & -9 & -35 & -34 \\
\end{array}
\]

Mixed Review

Make these amounts, using the fewest coins. Draw the coins.

1. 34¢
2. 68¢
3. 81¢
### Add and Subtract Money

Circle the + or –. Then solve.

1. \[
\begin{array}{c|c|c|c}
95\text{¢} & 52\text{¢} & 67\text{¢} & 78\text{¢} \\
-32\text{¢} & +27\text{¢} & -8\text{¢} & -59\text{¢} \\
\hline
63\text{¢} & & & \\
\end{array}
\]

2. \[
\begin{array}{c|c|c|c}
86\text{¢} & 75\text{¢} & 25\text{¢} & 94\text{¢} \\
-18\text{¢} & +24\text{¢} & +36\text{¢} & -48\text{¢} \\
\hline
& & & \\
\end{array}
\]

3. \[
\begin{array}{c|c|c|c}
46\text{¢} & 50\text{¢} & 74\text{¢} & 52\text{¢} \\
+24\text{¢} & +38\text{¢} & -12\text{¢} & -49\text{¢} \\
\hline
& & & \\
\end{array}
\]

4. \[
\begin{array}{c|c|c|c}
89\text{¢} & 44\text{¢} & 62\text{¢} & 22\text{¢} \\
-15\text{¢} & +37\text{¢} & -59\text{¢} & +77\text{¢} \\
\hline
& & & \\
\end{array}
\]

### Mixed Review

Solve.

5. \(8 + 7 = \) ___  \(7 + 8 = \) ___  \(15 - 8 = \) ___

6. \(15 - 7 = \) ___  \(7 + 6 = \) ___  \(6 + 7 = \) ___

7. \(13 - 6 = \) ___  \(13 - 7 = \) ___  \(9 + 7 = \) ___

8. \(7 + 9 = \) ___  \(16 - 7 = \) ___  \(16 - 9 = \) ___
Problem Solving • Choose the Operation

Add or subtract. Write the sum or difference.

1. How much money would you need to buy a ball and a whistle?
   - Ball: 30¢
   - Whistle: 42¢
   - Total: 72¢

2. You have 75¢. You buy a pencil. How much money do you have left?
   - Original amount: 75¢
   - Pencil: 48¢
   - Remaining: 27¢

3. You have 94¢. You buy a jet. How much money do you have left?
   - Money: 94¢
   - Jet: 85¢
   - Remaining: 9¢

4. How much money would you need to buy a balloon and a drum?
   - Balloon: 35¢
   - Drum: 63¢
   - Total: 98¢

5. How much money would you need to buy a book and brushes?
   - Book: 55¢
   - Brushes: 29¢
   - Total: 84¢

6. You have 64¢. You buy a bag of popcorn. How much popcorn money do you have left?
   - Money: 64¢
   - Popcorn: 45¢
   - Remaining: 19¢
Identify Plane Shapes

1. Draw 5 rectangles.  
   Color them orange
2. Draw 3 circles.  
   Color them blue.
3. Draw 4 ovals.  
   Color them yellow.
4. Draw 1 triangle.  
   Color it red.
5. Draw 2 squares.  
   Color them green.
6. Draw 3 circles.  
   Color them yellow.
7. Draw 5 squares.  
   Color them red.
8. Draw 4 rectangles.  
   Color them green.
9. Draw 1 oval.  
   Color it blue.
10. Draw 2 triangles.  
    Color them orange.

Mixed Review

Solve.

11. $43 - 5 = \underline{38}$  
    $33 - 5 = \underline{28}$  
    $18 - 5 = \underline{13}$
12. $27 - 5 = \underline{22}$  
    $41 - 5 = \underline{36}$  
    $94 - 5 = \underline{89}$
13. $45 - 5 = \underline{40}$  
    $64 - 5 = \underline{59}$  
    $70 - 5 = \underline{65}$
Sides and Corners

Draw the Shape.

1. 6 sides 6 corners

2. 4 sides 4 corners
   All 4 sides are the same length.

3. 3 sides 3 corners

4. 4 sides 4 corners
   2 sides are long.
   2 sides are short.

Mixed Review

Solve.

5. \[ \begin{align*}
   37 &+ 10 &\quad 46 &+ 9 &\quad 26 &+ 20 &\quad 38 &+ 16 \\
   47 & & 55 & & 46 & & 54 \\
\end{align*} \]

6. \[ \begin{align*}
   45 &- 5 &\quad 32 &- 12 &\quad 20 &- 9 &\quad 43 &- 14 \\
   40 & & 20 & & 11 & & 29 \\
\end{align*} \]

7. \[ \begin{align*}
   25 &+ 50 &\quad 50 &+ 17 &\quad 38 &+ 14 &\quad 36 &+ 18 \\
   75 & & 67 & & 52 & & 54 \\
\end{align*} \]
Congruence and Symmetry

Draw a line of symmetry. The two parts will be congruent.

1. 
   ![Square with dots]

2. 
   ![Triangle with dots]

3. 
   ![Star with dots]

4. 
   ![Trapezoid with dots]

Mixed Review

5. \(22 + 13 = \) _____  \(14 + 14 = \) _____  \(10 + 12 = \) _____

6. \(30 - 15 = \) _____  \(26 - 10 = \) _____  \(20 - 12 = \) _____

7. \(13 + 20 = \) _____  \(16 + 4 = \) _____  \(33 + 6 = \) _____

8. \(24 - 12 = \) _____  \(35 - 15 = \) _____  \(40 - 25 = \) _____

Name ________________________________

© Harcourt

LESSON 17.3

Practice PW81
Combine and Separate Shapes

Draw a line or lines to separate the shape.

1. (3 triangles)
2. (4 triangles)
3. (2 triangles)
4. (4 squares)
5. (4 triangles)
6. (2 triangles)

Mixed Review

Solve.

7. $16 + 5 = \underline{21}$  $37 + 3 = \underline{40}$  $18 + 7 = \underline{25}$
8. $14 + 6 = \underline{20}$  $49 + 6 = \underline{55}$  $36 + 6 = \underline{42}$
Moving Shapes

Use △.
Move the △ the same way as shown in the picture. Circle *flip* or *turn* to tell how you moved it.

1. flip \(\Rightarrow\) turn
2. flip turn
3. flip turn
4. flip turn
5. flip turn
6. flip turn

Mixed Review

7. \(29 + 11 = \) ___  \(36 + 22 = \) ___  \(73 + 23 = \) ___
8. \(43 + 37 = \) ___  \(18 + 12 = \) ___  \(65 + 24 = \) ___
More About Moving Shapes

Write the word that names the move.

1. turn
2. slide
3. flip

4. 
5. 
6. 

7. 
8. 
9. 

PW84 Practice
Identify Solid Figures

Color the figures that are the same shape.

1.  
   - rectangular prisms
   - sphere
   - cones
   - cylinders
   - cubes
   - pyramids

Mixed Review

Write >, <, or = in the circle.

7. 44  
7. 54

8. 77  
8. 77

9. 10  
9. 7

10. 33  
10. 31

11. 21  
11. 21

12. 41  
12. 14

13. 19  
13. 19
Make Plane Shapes

Look at the plane shapes on the solid figure. Circle the solid figure you can use to trace the plane shapes.

1. 

2. 

3. 

4. 

Mixed Review

5. 

6. 

© Harcourt
**Sort Solid Figures**
Complete the chart. Write how many.

<table>
<thead>
<tr>
<th>Solid figure</th>
<th>Number of faces</th>
<th>Number of edges</th>
<th>Number of corners</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. rectangular prism</td>
<td>_____ faces</td>
<td>_____ edges</td>
<td>_____ corners</td>
</tr>
<tr>
<td>2. pyramid</td>
<td>_____ faces</td>
<td>_____ edges</td>
<td>_____ corners</td>
</tr>
<tr>
<td>3. cube</td>
<td>_____ faces</td>
<td>_____ edges</td>
<td>_____ corners</td>
</tr>
<tr>
<td>4. sphere</td>
<td>_____ faces</td>
<td>_____ edges</td>
<td>_____ corners</td>
</tr>
</tbody>
</table>

---

**Mixed Review**
How much money is:

5. 4 quarters + 5 nickels = _____

6. 3 quarters + 3 nickels = _____

7. 3 nickels + 3 nickels = _____

8. 1 penny + 6 nickels = _____
Problem Solving • Make a Model

Estimate the number of \( \square \). Then build the model. Write how many \( \square \) you used.

1. Estimate: _____ cubes
   Count: 8 cubes

2. Estimate: _____ cubes
   Count: _____ cubes

3. Estimate: _____ cubes
   Count: _____ cubes

4. Estimate: _____ cubes
   Count: _____ cubes

5. Estimate: _____ cubes
   Count: _____ cubes

6. Estimate: _____ cubes
   Count: _____ cubes
Nonstandard Units

About how many small clips long is the feather? Predict. Then measure with a small clip to check.

1. Predict: about _____ small clips
   Check: about _____ small clips

2. Predict: about _____ small clips
   Check: about _____ small clips

3. Predict: about _____ small clips
   Check: about _____ small clips

4. Predict: about _____ small clips
   Check: about _____ small clips

Mixed Review

Solve.

5. $7 + 2 = \underline{____}$     $8 + 3 = \underline{____}$     $8 - 4 = \underline{____}$

6. $12 - 5 = \underline{____}$     $13 - 6 = \underline{____}$     $15 - 6 = \underline{____}$
Measure to the Nearest Inch.

Work with a partner.
Use an inch ruler to measure.

1. crayon
   about__________ inches

2. book
   about__________ inches

3. pencil
   about__________ inches

4. tape
   about__________ inches

5. scissors
   about__________ inches

6. marker
   about__________ inches

7. stapler
   about__________ inches

8. sheet of paper
   about__________ inches

Mixed Review

Solve.

9. $65\,\text{¢} - 23\,\text{¢} = \underline{\hspace{2cm}}$  $64\,\text{¢} - 25\,\text{¢} = \underline{\hspace{2cm}}$  $71\,\text{¢} - 12\,\text{¢} = \underline{\hspace{2cm}}$

10. $55\,\text{¢} - 31\,\text{¢} = \underline{\hspace{2cm}}$  $43\,\text{¢} - 27\,\text{¢} = \underline{\hspace{2cm}}$  $84\,\text{¢} - 17\,\text{¢} = \underline{\hspace{2cm}}$
Inches and Feet

About how long or high is the real object? Circle the closer estimate.

1. [Image of telephone] about 8 inches
   about 8 feet

2. [Image of computer] about 9 inches
   about 9 feet

3. [Image of chair] about 3 inches
   about 3 feet

4. [Image of girl] about 4 inches
   about 4 feet

5. [Image of pen] about 5 inches
   about 5 feet

6. [Image of milk carton] about 10 inches
   about 10 feet

7. [Image of shoe] about 1 inch
   about 1 foot

8. [Image of pencil] about 4 inches
   about 4 feet

Mixed Review

Solve.

9. $25 + 7 = _____$  
   $35 - 8 = _____$  
   $47 - 6 = _____$

10. $85 - 6 = _____$  
    $9 + 16 = _____$  
    $72 - 9 = _____$

11. $44 + 8 = _____$  
    $56 + 9 = _____$  
    $61 + 7 = _____$

12. $57 - 9 = _____$  
    $31 - 4 = _____$  
    $26 + 5 = _____$
Centimeters and Meters

Which unit would you use to measure the real object? Circle the better unit of measure.

1. centimeters
   meters

2. centimeters
   meters

3. centimeters
   meters

4. centimeters
   meters

5. centimeters
   meters

6. centimeters
   meters

7. centimeters
   meters

8. centimeters
   meters

Mixed Review

Solve.

9. $14c - 5c = \underline{\hspace{2cm}}$  
   $12c - 5c = \underline{\hspace{2cm}}$  
   $4c + 9c = \underline{\hspace{2cm}}$

10. $8c + 7c = \underline{\hspace{2cm}}$  
    $9c - 6c = \underline{\hspace{2cm}}$  
    $8c + 8c = \underline{\hspace{2cm}}$

11. $13c - 6c = \underline{\hspace{2cm}}$  
    $6c + 5c = \underline{\hspace{2cm}}$  
    $17c - 5c = \underline{\hspace{2cm}}$
Perimeter
Measure each side. Write how many centimeters.
Add to find the perimeter.

1. 
\[ \underline{2} + \underline{2} + \underline{2} + \underline{2} = \underline{8} \] centimeters

2. 
\[ \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \] centimeters

3. 
\[ \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \] centimeters

4. 
\[ \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \] centimeters

Mixed Review
Solve.

5. \( 43 - 9 = \underline{\quad} \) \( 37 - 28 = \underline{\quad} \) \( 62 - 49 = \underline{\quad} \)

6. \( 72 - 15 = \underline{\quad} \) \( 42 - 8 = \underline{\quad} \) \( 53 - 7 = \underline{\quad} \)

7. \( 64 - 37 = \underline{\quad} \) \( 51 - 14 = \underline{\quad} \) \( 85 - 17 = \underline{\quad} \)
Problem Solving • Make Reasonable Estimates

About how long is the straw? Circle the most reasonable estimate.

1. (about 3 inches) about 6 inches about 12 inches

2. (about 2 inches) about 6 inches about 9 inches

3. (about 1 inch) about 2 inches about 6 inches

4. (about 5 inches) about 9 inches about 8 inches

5. (about 2 inches) about 4 inches about 7 inches
Cups, Pints, and Quarts
About how much does the container hold? Circle the reasonable estimate.

1. about 2 cups
   about 16 cups
2. about 30 pints
   about 6 pints
3. about 60 cups
   about 8 cups
4. about 12 cups
   about 50 cups
5. about 40 quarts
   about 4 quarts
6. about 4 pints
   about 10 pints
7. about 4 cups
   about 40 cups
8. about 50 quarts
   about 6 quarts

Mixed Review
Solve.

9. $4 + 9 = \underline{\hspace{3cm}}$  $8 - 4 = \underline{\hspace{3cm}}$  $7 + 6 = \underline{\hspace{3cm}}$

10. $14 - 8 = \underline{\hspace{3cm}}$  $5 + 9 = \underline{\hspace{3cm}}$  $11 - 7 = \underline{\hspace{3cm}}$
Liters
About how much does the container hold? Circle the more reasonable estimate.

1. 
   - about 35 liters
   - about 1 liter

2. 
   - about 40 liters
   - about 2 liters

3. 
   - about 25 liters
   - about 3 liters

4. 
   - about 3 liters
   - about 30 liters

5. 
   - about 4 liters
   - about 40 liters

6. 
   - about 2 liters
   - about 12 liters

7. 
   - about 20 liters
   - about 2 liters

8. 
   - about 30 liters
   - about 3 liters

Mixed Review
Solve.

9. $76\,\text{¢} - 27\,\text{¢} = _____$
   $53\,\text{¢} + 39\,\text{¢} = _____$

10. $84\,\text{¢} + 11\,\text{¢} = _____$
    $62\,\text{¢} - 45\,\text{¢} = _____$
Ounces and Pounds

Estimate how much the real object weighs.

1. about 12 pounds
   about 12 ounces

2. about 6 pounds
   about 6 ounces

3. about 1 pound
   about 1 ounce

4. about 10 pounds
   about 10 ounces

5. about 2 pounds
   about 2 ounces

6. about 20 pounds
   about 2 ounces

Mixed Review

Write true or false.

7. 61¢ > 83¢ = _______
   7¢ > 70¢ = _______

8. 94¢ < 37¢ = _______
   79¢ < 96¢ = _______

9. 81¢ > 80¢ = _______
   58¢ > 63¢ = _______
### Grams and Kilograms

Which unit would you use to measure the mass? Circle that unit of measure.

<table>
<thead>
<tr>
<th></th>
<th>kilograms</th>
<th>centimeters</th>
<th>grams</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>grams</td>
<td>kilograms</td>
<td>liters</td>
</tr>
<tr>
<td>4</td>
<td>meters</td>
<td>centimeters</td>
<td>kilograms</td>
</tr>
<tr>
<td>5</td>
<td>grams</td>
<td>centimeters</td>
<td>liters</td>
</tr>
<tr>
<td>6</td>
<td>grams</td>
<td>liters</td>
<td>kilograms</td>
</tr>
</tbody>
</table>

### Mixed Review

Solve.

1. $61 - 52 = ___$
2. $73 - 36 = ___$
3. $85 - 38 = ___$
4. $54 - 18 = ___$
5. $64 - 25 = ___$
6. $90 - 69 = ___$
7. $92 - 81 = ___$
8. $47 - 19 = ___$
9. $32 - 27 = ___$

**PW98 Practice**
Temperature

Read the temperature. Use a red crayon to color the thermometer to show the temperature.

1. 75° F

2. 50° F

3. 85° F

4. 35° F

Read the thermometer. Write the temperature.

5. ______ ° F

6. ______ ° F

Mixed Review

Solve.

7. 83 − 64 = _____  91 − 43 = _____  80 − 58 = _____

8. 18 + 15 = _____  54 + 38 = _____  27 + 46 = _____

9. 75 − 37 = _____  61 − 16 = _____  52 − 38 = _____
Problem Solving • Choose a Measuring Tool

Write the name of the tool you would use.

1. to find out how much milk is in a glass.

2. to find out the temperature outside the classroom.

3. to find out how long the bookshelf is.

4. to find out which watermelon is heavier.
# Hundreds

## Vocabulary

Write the number.

1. One hundred = ______ tens ______ ones

---

Write how many hundreds, tens, and ones.

<table>
<thead>
<tr>
<th>2.</th>
<th>3.</th>
<th>4.</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Diagram]</td>
<td>[Diagram]</td>
<td>[Diagram]</td>
</tr>
<tr>
<td>______ hundreds</td>
<td>______ tens</td>
<td>______ ones</td>
</tr>
<tr>
<td>______ hundreds</td>
<td>______ tens</td>
<td>______ ones</td>
</tr>
<tr>
<td>______ hundreds</td>
<td>______ tens</td>
<td>______ ones</td>
</tr>
</tbody>
</table>

---

## Mixed Review

Solve.

6. \(60 + 34 = \) ______  
7. \(44 + 52 = \) ______  
8. \(61 + 23 = \) ______  
9. \(13 + 73 = \) ______  
10. \(40 + 18 = \) ______  
11. \(25 + 31 = \) ______
Hundreds, Tens, and Ones

Write how many hundreds, tens, and ones. Then write the number.

1. 

<table>
<thead>
<tr>
<th>4</th>
<th>2</th>
<th>6</th>
</tr>
</thead>
</table>

2. 

|  |
|---|---|---|

3. 

|  |
|---|---|---|

4. 

|  |
|---|---|---|

Mixed Review

Solve.

5. \(72 - 51 = \) ___  \(53 - 42 = \) ___  \(66 - 50 = \) ___

6. \(12 + 9 = \) ___  \(15 + 7 = \) ___  \(18 + 6 = \) ___

7. \(57 - 24 = \) ___  \(89 - 15 = \) ___  \(64 - 33 = \) ___
## Place Value

Circle the value of the underlined digit.

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>364</td>
<td>600</td>
<td>60</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>701</td>
<td>700</td>
<td>70</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>259</td>
<td>900</td>
<td>90</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>548</td>
<td>800</td>
<td>80</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>463</td>
<td>600</td>
<td>60</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>172</td>
<td>700</td>
<td>70</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>607</td>
<td>600</td>
<td>60</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>914</td>
<td>400</td>
<td>40</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>830</td>
<td>800</td>
<td>80</td>
<td>8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Circle the reasonable estimate.

10. Lee has ____ teddy bears.  
   900 90 9

11. Paul and his mother checked ____ books out of the library.  
   1,000 10 1

12. The farmer harvested ____ ears of corn from the field.  
   200 20 2

13. There are ____ desks in the classroom.  
   300 30 3,000

### Mixed Review

Write the missing number.

14. _____, 52, 53
17. _____, 19
63, _____, 65

15. 34, 35, _____
97, _____, 99
_____, 84, 85
Read and Write Numbers

Read the number.
Write it in different ways.

1. one hundred seventy-four

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7</td>
<td>4</td>
</tr>
</tbody>
</table>

100 + 70 + 4 = 174

2. eight hundred five

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
</table>

___ + ___ + ___ = ___

3. five hundred twenty-eight

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
</table>

___ + ___ + ___ = ___

4. two hundred sixty-seven

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
</table>

___ + ___ + ___ = ___

5. five hundred thirty-six

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
</table>

___ + ___ + ___ = ___

6. nine hundred two

<table>
<thead>
<tr>
<th>Hundreds</th>
<th>Tens</th>
<th>Ones</th>
</tr>
</thead>
</table>

___ + ___ + ___ = ___

Mixed Review

Write > or <.

7. 46 □ 21
   □ 136 □ 145
   □ 83 □ 96

8. 36 □ 45
   □ 71 □ 52
   □ 19 □ 14

PW104 Practice
Problem Solving • Use a Table

This table tells the number of pairs of bald eagles in some states.

Use the table to answer the questions.

<table>
<thead>
<tr>
<th>State</th>
<th>Number of Pairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>143</td>
</tr>
<tr>
<td>Florida</td>
<td>980</td>
</tr>
<tr>
<td>Michigan</td>
<td>291</td>
</tr>
<tr>
<td>Ohio</td>
<td>47</td>
</tr>
<tr>
<td>Washington</td>
<td>630</td>
</tr>
</tbody>
</table>

1. Which state has a number of pairs of bald eagles made up of 2 hundreds, 9 tens, and 1 one?
2. How many pairs of bald eagles are in Washington?
3. Which state has 143 pairs of bald eagles?
4. How many pairs of bald eagles are in Ohio?
5. Which state has 900 + 80 + 0 pairs of bald eagles?
6. Which state has 630 pairs of bald eagles?
7. How many pairs of eagles are in Michigan?
# 100 Less, 100 More

Use \( \underline{\text{\_\_\_\_\_\_}} \) to compare.
Write the numbers that are 100 less and 100 more.

<table>
<thead>
<tr>
<th>100 Less</th>
<th>Number</th>
<th>100 More</th>
</tr>
</thead>
<tbody>
<tr>
<td>529</td>
<td>629</td>
<td>729</td>
</tr>
<tr>
<td>________</td>
<td>468</td>
<td>________</td>
</tr>
<tr>
<td>________</td>
<td>231</td>
<td>________</td>
</tr>
<tr>
<td>________</td>
<td>518</td>
<td>________</td>
</tr>
<tr>
<td>________</td>
<td>891</td>
<td>________</td>
</tr>
<tr>
<td>________</td>
<td>744</td>
<td>________</td>
</tr>
<tr>
<td>________</td>
<td>304</td>
<td>________</td>
</tr>
</tbody>
</table>

## Mixed Review

Solve.

8. \( 23 + 62 = \) ____  
   \( 35 + 55 = \) ____  
   \( 14 + 71 = \) ____

9. \( 19 + 47 = \) ____  
   \( 77 + 17 = \) ____  
   \( 82 + 11 = \) ____

10. \( 69 + 30 = \) ____  
    \( 77 - 41 = \) ____  
    \( 61 - 18 = \) ____

**PW106 Practice**
Compare Numbers: >, <, and =

Write greater than, less than, or equal to. Then write >, <, or =.

1. 205 is less than 275. 2. 922 is ___________ 923.

   205 < 275

3. 379 is ___________ 319. 4. 642 is ___________ 624.

   379 < 319

5. 411 is ___________ 411. 6. 737 is ___________ 737.

   411 = 411

7. 859 is ___________ 959. 8. 180 is ___________ 108.

   859 < 959

Mixed Review

Solve.

9. 14 + 81 = ____  44 + 44 = ____  8 + 61 = ____

10. 53 − 5 = ____  77 − 22 = ____  97 − 30 = ____
Order Numbers: Before, After, Between
Write the number that is just before, between, or just after.

1. 205, 206
2. _____, 445
3. 610, _____, 612
4. 149, _____
5. 78, _____, 80
6. 303, _____
7. _____, 520
8. 980, _____, 982
9. 733, _____, 735
10. _____, 517
11. _____, 137
12. 42, _____, 44

Mixed Review
What is the total amount?

13. _____¢
14. _____¢
Order Numbers on a Number Line

Write the numbers in order from least to greatest. Use the number line to help you.

1. \[639, 647, 643, 650\]

2. \[640, 637, 649, 648\]

3. \[641, 645, 644, 649\]

4. \[651, 639, 642, 645\]

5. \[646, 638, 643, 637\]

Mixed Review

Solve.

6. \(21¢ + 18¢ = \boxed{\text{___}}¢\) \(12¢ + 13¢ = \boxed{\text{___}}¢\)

7. \(33¢ + 54¢ = \boxed{\text{___}}¢\) \(9¢ + 82¢ = \boxed{\text{___}}¢\)
Problem Solving • Find a Pattern

Find the pattern. Write the rule.
Continue the pattern.

1. Maria sees a pattern in the numbers 219, 217, 215.
   The rule could be count _____________.
   219, 217, 215, __________, __________, __________, __________

2. Jamel sees a pattern in the numbers 961, 966, 971.
   The rule could be count _____________.
   961, 966, 971, __________, __________, __________, __________

3. Ben sees a pattern in the numbers 846, 746, 646.
   The rule could be count _____________.
   846, 746, 646, __________, __________, __________, __________

4. Sue sees a pattern in the numbers 107, 110, 113.
   The rule could be count _____________.
   107, 110, 113, __________, __________, __________, __________

5. Hector sees a pattern in the numbers 489, 479, 469.
   The rule could be count _____________.
   489, 479, 469, __________, __________, __________, __________
Explore Fractions
Write the number of parts.
Are the parts equal? Circle yes or no.

1. 6 parts
2. ___ parts
3. ___ parts
4. ___ parts
5. ___ parts
6. ___ parts

Mixed Review
Solve.

7. 54 + 17 = ____  72 + 25 = ____  91 + 12 = ____
Unit Fractions
Color one part red.
Write the fraction for the red part.

1. [Diagram]
   __________

2. [Diagram]
   __________

3. [Diagram]
   __________

4. [Diagram]
   __________

5. [Diagram]
   __________

6. [Diagram]
   __________

7. [Diagram]
   __________

8. [Diagram]
   __________

9. [Diagram]
   __________

Mixed Review
Solve.

10. \(53 - 5 = \) ___  \(69 - 5 = \) ___  \(98 - 5 = \) ___

11. \(74 - 5 = \) ___  \(87 - 5 = \) ___  \(46 - 5 = \) ___
Other Fractions
Write the fraction for the shaded part.

1. 2. 3.

4. 5. 6.

7. 8. 9.

Mixed Review
Solve.

10. 19 − ____ = 8
    30 − ____ = 25
    17 − ____ = 8

11. 10 − ____ = 7
    12 − ____ = 7
    20 − ____ = 10

12. 18 − ____ = 11
    14 − ____ = 6
    11 − ____ = 5
Compare Unit Fractions

Color one part of each whole. Circle the fraction that is less.

1. \(\frac{1}{2}\) \(\frac{1}{3}\) \(\frac{1}{3}\)

2. \(\frac{1}{5}\) \(\frac{1}{8}\) \(\frac{1}{8}\)

3. \(\frac{1}{10}\) \(\frac{1}{8}\)

4. \(\frac{1}{4}\) \(\frac{1}{6}\)

Mixed Review

Solve.

5. \(54 + 40 = \) \(32 + 50 = \) \(49 + 30 = \)

6. \(68 - 40 = \) \(85 - 30 = \) \(73 - 20 = \)
Fractions Equal to 1

Write each fraction.
Count the parts. Write the fraction for the whole.

1. \[
\begin{array}{c}
\frac{2}{2} \\
\hline
\frac{2}{2}
\end{array}
\]

\[\_\_\_\_ = 1\text{ whole}\]

2. \[
\begin{array}{c}
\frac{2}{2} \\
\hline
\frac{2}{2}
\end{array}
\]

\[\_\_\_\_ = 1\text{ whole}\]

3. \[
\begin{array}{c}
\frac{2}{2} \\
\hline
\frac{2}{2}
\end{array}
\]

\[\_\_\_\_ = 1\text{ whole}\]

4. \[
\begin{array}{c}
\frac{2}{2} \\
\hline
\frac{2}{2}
\end{array}
\]

\[\_\_\_\_ = 1\text{ whole}\]

Mixed Review

Solve.

7. \[573 - 100 = \_\_\_\_\_\_\]

8. \[268 - 100 = \_\_\_\_\_\_\]
Explore Fractions

Write the fraction that shows the shaded part.

1. 2 equal parts
   ![Fraction 1]
   \[
   \frac{1}{2}
   \]

2. 3 equal parts
   ![Fraction 2]

3. 4 equal parts
   ![Fraction 3]

4. 3 equal parts
   ![Fraction 4]

5. 2 equal parts
   ![Fraction 5]

6. 4 equal parts
   ![Fraction 6]

Mixed Review

Solve.

7. \[22\,\text{¢} - 14\,\text{¢} = \quad \]
   \[37\,\text{¢} + 42\,\text{¢} = \quad \]

8. \[61\,\text{¢} - 30\,\text{¢} = \quad \]
   \[17\,\text{¢} + 55\,\text{¢} = \quad \]

9. \[29\,\text{¢} + 50\,\text{¢} = \quad \]
   \[48\,\text{¢} - 47\,\text{¢} = \quad \]
# Unit Fractions

Circle the equal parts. Color to show the fraction.

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
<th>3.</th>
<th>4.</th>
<th>5.</th>
<th>6.</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Fraction 1/4" /></td>
<td><img src="image" alt="Fraction 1/5" /></td>
<td><img src="image" alt="Fraction 1/2" /></td>
<td><img src="image" alt="Fraction 1/3" /></td>
<td><img src="image" alt="Fraction 1/10" /></td>
<td><img src="image" alt="Fraction 1/8" /></td>
</tr>
</tbody>
</table>

## Mixed Review

Write the next number.

7. 27, 30, 33, _____ 37, 47, 57, _____
8. 85, 80, 75, 70, _____ 16, 20, 24, _____
9. 90, 80, 70, _____ 85, 65, 45, _____
Other Fractions

Toss 4 2-color counters.
Color these counters to show your toss.
Write the fraction for each color. Repeat.

1.  \[\frac{3}{4}\] red \[\frac{1}{4}\] yellow
2.  \[\frac{0}{0}\] red \[\frac{0}{0}\] yellow

3.  \[\frac{3}{3}\] red \[\frac{1}{3}\] yellow
4.  \[\frac{0}{0}\] red \[\frac{0}{0}\] yellow

5.  \[\frac{3}{3}\] red \[\frac{1}{3}\] yellow
6.  \[\frac{0}{0}\] red \[\frac{0}{0}\] yellow

Mixed Review

Write T for True and F for False.

7.  \[16 > 61\] __  \[71 = 17\] __  \[44 > 42\] __

8.  \[24 < 61\] __  \[66 < 56\] __  \[88 > 18\] __

9.  \[9 + 9 = 18\] __  \[20 - 10 = 1\] __  \[14 - 7 = 7\] __
Compare Parts of a Group

Compare the shaded parts. Look at > or <. Circle true or false.

1. \[\text{\square \square \square} \ \frac{3}{3}\]
2. \[\text{\square \square \square \square} \ \frac{1}{4}\]
3. \[\text{\square \square \square \square \square} \ \frac{4}{5}\]
4. \[\text{\square \square \square \square \square \square} \ \frac{5}{6}\]
5. \[\text{\square \square \square \square \square} \ \frac{3}{5}\]
6. \[\text{\square \square \square \square \square} \ \frac{1}{4}\]

Mixed Review

Write the number that comes next.

7. 8, 12, 16, 20, ____  
8. 20, 22, 24, 26, ____
Problem Solving • Make a Model

Use 12 ○. Make and draw a model to solve.

1. Jimmy has 5 oranges. He gives \( \frac{3}{5} \) of the oranges to Mary. The rest he keeps for himself. What fraction of the oranges does Jimmy have left?

\[
\begin{align*}
\text{to Mary} \\
\frac{2}{5}
\end{align*}
\]

2. Sue has 6 marbles. 3 marbles are red and 3 marbles are green. What fraction of the marbles are green?

\[
\text{______________________}
\]

3. Joe has 8 basketballs. He gives 5 basketballs to Tony. What fraction of the basketballs does Tony have?

\[
\text{_______}
\]

4. Paul has 4 apples. 3 apples are red and 1 apple is green. What fraction of the apples are green?

\[
\text{_______}
\]
Add Hundreds

Add.

1. \[
\begin{array}{c}
1 \\
+ 4 \\
5
\end{array}
\quad 1 \text{ hundred} \\
\quad + 4 \text{ hundreds} \\
\quad + 5 \text{ hundreds} \\
\hline
100 \\
400 \\
500
\]

2. \[
\begin{array}{c}
2 \\
+ 7 \\
+ 1 \\
\hline
200 \\
700 \\
100
\]

3. \[
\begin{array}{c}
3 \\
+ 5 \\
\hline
300 \\
500
\]

4. \[
\begin{array}{c}
6 \\
+ 1 \\
+ 0 \\
\hline
600 \\
100 \\
0
\]

5. \[
\begin{array}{c}
4 \\
+ 4 \\
\hline
400 \\
400
\]

6. \[
\begin{array}{c}
6 \\
+ 0 \\
\hline
600 \\
0
\]

7. \[
\begin{array}{c}
5 \\
+ 2 \\
\hline
500 \\
200
\]

8. \[
\begin{array}{c}
1 \\
+ 3 \\
\hline
100 \\
300
\]

Mixed Review

9. \(99 - 12 = \) 
10. \(68 - 41 = \) 
11. \(55 - 25 = \)

12. \(76 - 57 = \) 
13. \(47 - 32 = \) 
14. \(32 - 18 = \)

15. \(81 - 56 = \) 
16. \(27 - 18 = \) 
17. \(74 - 28 = \)

© Harcourt
Model 3-Digit Addition

Use ___. Add. Regroup if you need to.

1. hundreds | tens | ones
   |       |       |
   2 | 3 | 9
   + 2 | 0 | 2
   | 4 | 4|

2. hundreds | tens | ones
   |       |       |
   8 | 0 | 6
   + 1 | 2 | 7

3. hundreds | tens | ones
   |       |       |
   1 | 2 | 9
   + 4 | 1 | 3

4. hundreds | tens | ones
   |       |       |
   2 | 3 | 6
   + 3 | 1 | 6

5. hundreds | tens | ones
   |       |       |
   8 | 0 | 7
   + 1 | 3 | 4

6. hundreds | tens | ones
   |       |       |
   6 | 2 | 8
   + | 1 | 3

Mixed Review

How many hundreds, tens, and ones are there?

7. 862 = ___ hundreds   ___ tens   ___ ones

8. 729 = ___ hundreds   ___ tens   ___ ones

9. 376 = ___ hundreds   ___ tens   ___ ones
Add 3-Digit Numbers

Add.

1. \[\begin{array}{ccc}
hundreds & tens & ones \\
2 & 0 & 7 \\
+ 1 & 1 & 9 \\
\hline \\
3 & 2 & 6 \\
\end{array}\]

2. \[\begin{array}{ccc}
hundreds & tens & ones \\
4 & 2 & 9 \\
+ 1 & 1 & 7 \\
\hline \\
2 & 2 & 5 \\
\end{array}\]

3. \[\begin{array}{ccc}
hundreds & tens & ones \\
2 & 2 & 5 \\
+ 5 & 6 & 6 \\
\hline \\
2 & 2 & 5 \\
\end{array}\]

Mixed Review

Solve. You have 8 oranges.

12. What fraction is 1 orange? ____  What fraction are 3 oranges? ____

13. What fraction are 7 oranges? ____ What fraction are 2 oranges? ____

14. What fraction are 4 oranges? ____ What fraction are 5 oranges? ____
More 3-Digit Addition

Add.

1. \[
\begin{array}{c}
144 \\
+ 217 \\
\hline
361
\end{array}
\]

2. \[
\begin{array}{c}
610 \\
+ 389 \\
\hline
999
\end{array}
\]

3. \[
\begin{array}{c}
555 \\
+ 128 \\
\hline
683
\end{array}
\]

4. \[
\begin{array}{c}
908 \\
+ 47 \\
\hline
955
\end{array}
\]

5. \[
\begin{array}{c}
403 \\
+ 416 \\
\hline
819
\end{array}
\]

6. \[
\begin{array}{c}
367 \\
+ 80 \\
\hline
447
\end{array}
\]

7. \[
\begin{array}{c}
777 \\
+ 141 \\
\hline
918
\end{array}
\]

8. \[
\begin{array}{c}
800 \\
+ 69 \\
\hline
869
\end{array}
\]

9. \[
\begin{array}{c}
589 \\
+ 206 \\
\hline
795
\end{array}
\]

10. \[
\begin{array}{c}
91 \\
+ 782 \\
\hline
873
\end{array}
\]

11. \[
\begin{array}{c}
211 \\
+ 611 \\
\hline
822
\end{array}
\]

12. \[
\begin{array}{c}
194 \\
+ 490 \\
\hline
684
\end{array}
\]

13. \[
\begin{array}{c}
371 \\
+ 62 \\
\hline
433
\end{array}
\]

14. \[
\begin{array}{c}
246 \\
+ 316 \\
\hline
562
\end{array}
\]

15. \[
\begin{array}{c}
444 \\
+ 7 \\
\hline
451
\end{array}
\]

16. \[
\begin{array}{c}
302 \\
+ 473 \\
\hline
775
\end{array}
\]

Mixed Review

Write the number that is less.

17. 992, 929 \[\text{______}\] 18. 777, 779 \[\text{______}\]

19. 636, 663 \[\text{______}\] 20. 585, 555 \[\text{______}\]
Add Money
Add.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>$6.31</td>
<td>$1.82</td>
<td>$8.13</td>
</tr>
<tr>
<td>2.</td>
<td>$5.80</td>
<td>$3.61</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>$2.21</td>
<td>$7.64</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>$5.00</td>
<td>$4.44</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>$3.72</td>
<td>$4.81</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>$0.06</td>
<td>$8.21</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>$2.66</td>
<td>$2.43</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>$1.86</td>
<td>$3.62</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>$7.48</td>
<td>$0.26</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>$4.58</td>
<td>$3.27</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>$0.82</td>
<td>$4.11</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>$6.57</td>
<td>$2.80</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>$1.22</td>
<td>$5.90</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>$3.12</td>
<td>$3.84</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>$6.11</td>
<td>$1.29</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td>$3.85</td>
<td>$1.06</td>
<td></td>
</tr>
</tbody>
</table>

Mixed Review
Solve.

17. 2 + 1 =

18. 3 + 6 =

19. ______
# Practice Adding 3-Digit Numbers
Rewrite the numbers in each problem. Then add.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 192 + 243</td>
<td>2. 544 + 327</td>
<td>3. 680 + 24</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. 328 + 226</td>
<td>5. 187 + 390</td>
<td>6. 248 + 607</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. 532 + 416</td>
<td>8. 245 + 172</td>
<td>9. 128 + 46</td>
</tr>
</tbody>
</table>

## Mixed Review
Solve.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10. 78 − 48 = ___</td>
<td>87 − 19 = ___</td>
<td>37 − 29 = ___</td>
</tr>
<tr>
<td>11. 44 − 16 = ___</td>
<td>61 − 37 = ___</td>
<td>58 − 25 = ___</td>
</tr>
<tr>
<td>12. 91 − 59 = ___</td>
<td>31 − 18 = ___</td>
<td>52 − 27 = ___</td>
</tr>
<tr>
<td>13. 46 − 20 = ___</td>
<td>68 − 54 = ___</td>
<td>70 − 18 = ___</td>
</tr>
</tbody>
</table>
Subtract Hundreds

Subtract.

1. \[
\begin{array}{c}
5 \cancel{\text{ hundreds}} & 500 \\
- 1 \cancel{\text{ hundred}} & - 100 \\
\hline
4 \cancel{\text{ hundred}} & 400
\end{array}
\]

2. \[
\begin{array}{c}
3 \cancel{\text{ hundreds}} & 300 \\
- 3 \cancel{\text{ hundreds}} & - 300 \\
\hline
\text{ hundreds}
\end{array}
\]

3. \[
\begin{array}{c}
9 \cancel{\text{ hundreds}} & 900 \\
- 4 \cancel{\text{ hundreds}} & - 400 \\
\hline
\text{ hundreds}
\end{array}
\]

4. \[
\begin{array}{c}
6 \cancel{\text{ hundreds}} & 600 \\
- 2 \cancel{\text{ hundreds}} & - 200 \\
\hline
\text{ hundreds}
\end{array}
\]

5. \[
\begin{array}{c}
8 \cancel{\text{ hundreds}} & 800 \\
- 5 \cancel{\text{ hundreds}} & - 500 \\
\hline
\text{ hundreds}
\end{array}
\]

6. \[
\begin{array}{c}
9 \cancel{\text{ hundreds}} & 900 \\
- 6 \cancel{\text{ hundreds}} & - 600 \\
\hline
\text{ hundreds}
\end{array}
\]

7. \[
\begin{array}{c}
4 \cancel{\text{ hundreds}} & 400 \\
- 2 \cancel{\text{ hundreds}} & - 200 \\
\hline
\text{ hundreds}
\end{array}
\]

8. \[
\begin{array}{c}
8 \cancel{\text{ hundreds}} & 800 \\
- 2 \cancel{\text{ hundreds}} & - 200 \\
\hline
\text{ hundreds}
\end{array}
\]

Mixed Review

Solve.

9. \[72¢ - 11¢ = ____ \quad 69¢ - 29¢ = ____\]

10. \[55¢ + 37¢ = ____ \quad 42¢ + 33¢ = ____\]

11. \[86¢ - 49¢ = ____ \quad 91¢ - 59¢ = ____\]
## Model 3-Digit Subtraction

Use Workmat 5 and subtract.

### 1.

<table>
<thead>
<tr>
<th>hundreds</th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>7</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>-4</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>1</td>
</tr>
</tbody>
</table>

### 2.

<table>
<thead>
<tr>
<th>hundreds</th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>-1</td>
<td>0</td>
<td>6</td>
</tr>
</tbody>
</table>

### 3.

<table>
<thead>
<tr>
<th>hundreds</th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>-1</td>
<td>1</td>
<td>9</td>
</tr>
</tbody>
</table>

### Mixed Review

Solve.

4. $66 + 26 = \underline{92}$  
   $28 - 18 = \underline{10}$  
   $92 - 52 = \underline{40}$

5. $78 - 28 = \underline{50}$  
   $57 + 17 = \underline{74}$  
   $41 - 11 = \underline{30}$

6. $30 + 10 = \underline{40}$  
   $84 - 34 = \underline{50}$  
   $97 - 27 = \underline{70}$
## Subtract 3-Digit Numbers

Subtract.

<table>
<thead>
<tr>
<th></th>
<th>hundreds</th>
<th>tens</th>
<th>ones</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>6</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **4.** 
- **5.** 
- **6.** 
- **7.** 
- **8.** 
- **9.**

### Mixed Review

Write the number that is greater.

<p>| | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>916</td>
<td>961</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>777</td>
<td>727</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>227</td>
<td>272</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>111</td>
<td>191</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>585</td>
<td>515</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>629</td>
<td>692</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### More 3-Digit Subtraction

Subtract.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>644</td>
<td>2</td>
<td>879</td>
</tr>
<tr>
<td></td>
<td>-291</td>
<td></td>
<td>-481</td>
</tr>
<tr>
<td></td>
<td>323</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>920</td>
<td>3</td>
<td>163</td>
</tr>
<tr>
<td></td>
<td>-760</td>
<td></td>
<td>-29</td>
</tr>
<tr>
<td></td>
<td>160</td>
<td></td>
<td>-513</td>
</tr>
<tr>
<td>3</td>
<td>555</td>
<td>4</td>
<td>764</td>
</tr>
<tr>
<td></td>
<td>-472</td>
<td></td>
<td>-192</td>
</tr>
<tr>
<td></td>
<td>183</td>
<td></td>
<td>-280</td>
</tr>
<tr>
<td>4</td>
<td>897</td>
<td>5</td>
<td>438</td>
</tr>
<tr>
<td></td>
<td>-216</td>
<td></td>
<td>-219</td>
</tr>
<tr>
<td></td>
<td>671</td>
<td></td>
<td>-812</td>
</tr>
</tbody>
</table>

#### Mixed Review

Write the number that is less.

17. 218, 281 ___
18. 712, 721 ___
19. 344, 343 ___
20. 819, 891 ___
Problem Solving • Too Much Information

Draw a line through the sentence that is not needed. Then solve.

1. Farmer Brown has 50 chickens.
   The chickens lay 192 eggs on Monday and 264 eggs on Tuesday.
   How many eggs do the chickens lay altogether?

   456 eggs

   Farmer Smith grows 298 pounds of corn.
   Farmer Jones grows 319 pounds of corn.
   How much more corn does Farmer Brown grow than Farmer Jones?

   ______ pounds of corn

3. There are 320 fish in Farmer Brown’s pond. Farmer Smith has 672 fish in his pond. Farmer Jones has 458 fish in his pond.
   How many fewer fish does Farmer Jones have than Farmer Smith?

   ______ fewer fish

4. Farmer Brown has 542 horses on his farm. 126 of the horses are brown. He buys 116 new horses. How many horses does Farmer Brown have in all?

   ______ horses
Add and Subtract Money

Add or subtract.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>$7.62</td>
<td>$6.80</td>
<td>$1.26</td>
</tr>
<tr>
<td></td>
<td>+2.18</td>
<td>-2.11</td>
<td>+4.41</td>
</tr>
<tr>
<td></td>
<td>$9.80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>$5.29</td>
<td>$1.47</td>
<td>$3.97</td>
</tr>
<tr>
<td></td>
<td>+3.48</td>
<td>-0.39</td>
<td>+4.10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>$4.44</td>
<td>$7.87</td>
<td>$6.12</td>
</tr>
<tr>
<td></td>
<td>+4.44</td>
<td>-5.14</td>
<td>+3.21</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>$2.36</td>
<td>$8.63</td>
<td>$8.01</td>
</tr>
<tr>
<td></td>
<td>+5.35</td>
<td>-3.47</td>
<td>+1.09</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mixed Review**

Write + or − to make the number sentence correct.

17. 66 □ 14 = 80  71 □ 17 = 54  22 □ 22 = 44
18. 50 □ 13 = 37  80 □ 18 = 98  43 □ 29 = 14
Estimate Sums and Differences

Round to estimate. Then add or subtract to solve.

1. Hector has $7.84. Jill has $6.18. How much more money does Hector have than Jill?

   Estimate: $8.00
   Solve: $7.84
   
   Estimate: $2.00
   Solve: $1.66

2. Hector takes all of his money to the toy store. He buys a ball for $1.06. How much money does he have left?

3. Jill buys a goldfish for $2.19 and fish food for $1.83. How much money does she spend in all?

4. How much money does Jill have left after she buys the fish and the fish food?

Mixed Review

Solve.

5. $2.48 + $4.19 = _______  $5.12 + $1.18 = _______

6. $7.17 + $1.71 = _______  $6.60 − $2.14 = _______
Practice Adding and Subtracting 3-Digit Numbers
Add or subtract. Use the code to answer the riddle.

Why did the Chicken cross the playground?

Add or subtract as directed. Use the code to answer the riddle.


530 680
+ 100 - 119

T

808 378
- 181 + 192

236 919 248
+ 236 - 475 + 399

239 939 298 687 292
+ 314 - 295 + 200 - 238 + 292

790 181 750 221 888
- 189 + 362 - 225 + 187 - 438!

© Harcourt
Problem Solving • Multiple–Step Problems

Add or subtract.
Do one step at a time.

1. The children in Mrs. Smith’s class sell 372 tickets on Monday and 406 on Tuesday. There are 880 tickets to sell. How many tickets are left to sell?

   \[ \begin{array}{c}
   406 \\
   +372 \\
   \hline
   778 \\
   -778 \\
   \hline
   102 \\
   \end{array} \]

   \(102\) tickets

2. Maria has $3.25 in her piggy bank. She earns $2.50 doing chores for her mother. Then she spends $2.10. How much money does Maria have left?

   ______

3. The school has 640 students. There are 116 students in the first grade and 208 students in the second grade. How many students are not in the first or second grade?

   ______ students

4. Leon had 526 baseball cards. He gave 110 cards to Billy. Then Billy gave him 107 cards. How many baseball cards does Leon have now?

   ______ baseball cards
Explore Multiplication
Make equal groups of $\mathbb{8}$. Skip count.
Write how many in all.

1. Make 6 equal groups.
   Put 4 $\mathbb{8}$ in each group.
   $\underline{4, 8, 8, 8, 8, 8}$ in all

2. Make 8 equal groups.
   Put 5 $\mathbb{8}$ in each group.
   $\underline{5, 5, 5, 5, 5, 5, 5, 5}$ in all

3. Make 5 equal groups.
   Put 6 $\mathbb{8}$ in each group.
   $\underline{6, 6, 6, 6, 6}$ in all

4. Make 7 equal groups.
   Put 3 $\mathbb{8}$ in each group.
   $\underline{3, 3, 3, 3, 3, 3, 3}$ in all

Mixed Review
Solve.

5. $30 + 90 = \underline{120}$
6. $90 + 70 = \underline{160}$
7. $70 + 40 = \underline{110}$
8. $100 - 3 = \underline{97}$
9. $150 - 4 = \underline{146}$
10. $\$1.70 + \$0.50 = \$2.20$
11. $190 - 8 = \underline{182}$
12. $\$1.30 - \$1.10 = \$0.20$
Addition and Multiplication
Write the sum. Write the product.

1.  
   
   \[ 4 + 4 + 4 = \underline{12} \quad 3 \times 4 = \underline{12} \]

2.  
   
   \[ 5 + 5 + 5 + 5 = \underline{20} \quad 4 \times 5 = \underline{20} \]

3.  
   
   \[ 10 + 10 + 10 = \underline{30} \quad 3 \times 10 = \underline{30} \]

4.  
   
   \[ 1 + 1 + 1 + 1 + 1 = \underline{5} \quad 5 \times 1 = \underline{5} \]

**Mixed Review**
Solve.

5.  \[ 154 - 10 = \underline{144} \quad 149 - 10 = \underline{139} \quad 125 - 92 = \underline{33} \]

6.  \[ 172 - 10 = \underline{162} \quad 138 - 26 = \underline{112} \quad 147 - 95 = \underline{52} \]

7.  \[ 118 - 10 = \underline{108} \quad 194 - 61 = \underline{133} \quad 136 - 91 = \underline{45} \]
Arrays
Write how many rows and how many in each row. Write the product.

1. __________ rows __________ in each row
   $4 \times 5 = 20$

2. __________ rows __________ in each row
   $3 \times 6 = \underline{\hspace{1cm}}$

3. __________ rows __________ in each row
   $2 \times 8 = \underline{\hspace{1cm}}$

4. __________ rows __________ in each row
   $6 \times 1 = \underline{\hspace{1cm}}$

5. __________ rows __________ in each row
   $5 \times 5 = \underline{\hspace{1cm}}$

6. __________ rows __________ in each row
   $6 \times 4 = \underline{\hspace{1cm}}$

Mixed Review
Write the number.

7. 3 hundreds, 4 tens, 7 ones ______

8. 6 hundreds, 1 ten, 3 ones ______

9. 5 hundreds, 5 tens, 1 one ______

10. 8 hundreds, 3 tens, 2 ones ______
Multiply in Any Order
Write the product.
Write the multiplication problem in reverse order.

1. \(4 \times 5 = 20\)
   \(5 \times 4 = 20\)

2. \(10 \times 3 = \_\_\_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

3. \(2 \times 9 = \_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

4. \(3 \times 7 = \_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

5. \(6 \times 3 = \_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

6. \(8 \times 2 = \_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

7. \(7 \times 10 = \_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

8. \(3 \times 8 = \_\_\_\_
   \_\_\_ \times \_\_\_ = \_\_\_\_

Mixed Review
Write the number that comes next.

9. 10, 20, 30, 40, \_\_\_\_
12. \(2 + 2 + 2 + 2 + 2 + 2 = \_\_\_\_

10. 6, 12, 18, 24, \_\_\_\_
13. \(5 + 5 + 5 + 5 + 5 = \_\_\_\_

11. 3, 6, 9, 12, \_\_\_\_
14. \(4 + 4 + 4 + 4 + 4 + 4 = \_\_\_\_\_

Practice PW139
Multiply Across and Down
Write the product.

1. \(2 \times 6 = \underline{12}\)
   \[
   \begin{array}{c}
   2 \\
   \times 6 \\
   12
   \end{array}
   \]

2. \(5 \times 10 = \underline{50}\)
   \[
   \begin{array}{c}
   5 \\
   \times 10 \\
   50
   \end{array}
   \]

3. \(6 \times 4 = \underline{24}\)
   \[
   \begin{array}{c}
   6 \\
   \times 4 \\
   24
   \end{array}
   \]

4. \(1 \times 8 = \underline{8}\)
   \[
   \begin{array}{c}
   1 \\
   \times 8 \\
   8
   \end{array}
   \]

5. \(7 \times 3 = \underline{21}\)
   \[
   \begin{array}{c}
   7 \\
   \times 3 \\
   21
   \end{array}
   \]

6. \(5 \times 5 = \underline{25}\)
   \[
   \begin{array}{c}
   5 \\
   \times 5 \\
   25
   \end{array}
   \]

7. \(9 \times 2 = \underline{18}\)
   \[
   \begin{array}{c}
   9 \\
   \times 2 \\
   18
   \end{array}
   \]

8. \(6 \times 5 = \underline{30}\)
   \[
   \begin{array}{c}
   6 \\
   \times 5 \\
   30
   \end{array}
   \]

9. \(8 \times 3 = \underline{24}\)
   \[
   \begin{array}{c}
   8 \\
   \times 3 \\
   24
   \end{array}
   \]

10. \(7 \times 2 = \underline{14}\)
    \[
    \begin{array}{c}
    7 \\
    \times 2 \\
    14
    \end{array}
    \]

11. \(7 \times 4 = \underline{28}\)
    \[
    \begin{array}{c}
    7 \\
    \times 4 \\
    28
    \end{array}
    \]

12. \(10 \times 6 = \underline{60}\)
    \[
    \begin{array}{c}
    10 \\
    \times 6 \\
    60
    \end{array}
    \]

Mixed Review
Write True or False.

13. \(72 < 85 \underline{\text{true}}\)
14. \(53 = 153 \underline{\text{false}}\)

15. \(351 < 391 \underline{\text{true}}\)
16. \(27 < 26 \underline{\text{false}}\)

17. \(195 > 197 \underline{\text{false}}\)
18. \(790 < 295 \underline{\text{true}}\)
# Multiply with 2

How many wheels are there in all? Write the product.

1. 

\[
\begin{array}{ccc}
3 \times 2 &=& 6 \\
6 \times 2 &=& \underline{12} \\
4 \times 2 &=& \underline{8}
\end{array}
\]

Write the product.

2. 

\[
\begin{array}{ccc}
2 & 3 & 6 \\
2 & 8 & 16 \\
2 & 2 & 4
\end{array}
\]

3. 

\[
\begin{array}{ccc}
2 & 4 & 8 \\
2 & 7 & 14 \\
2 & 9 & 18
\end{array}
\]

4. 

\[
\begin{array}{ccc}
2 & 10 & 20 \\
2 & 1 & 2 \\
2 & 5 & 10
\end{array}
\]

5. 

\[
\begin{array}{ccc}
2 & 6 & 12 \\
2 & 10 & 20 \\
5 & 8 & 40
\end{array}
\]

### Mixed Review

Write >, <, or = to make the math sentence correct.

6. \(68 - 27 \quad \square \quad 44 + 2 \quad 27 + 14 \quad \square \quad 51 - 10\)
Multiply with 5

How many fingers are there in all?
Write the product.

1.  
   \[ 4 \times 5 = 20 \]  
   \[ 8 \times 5 = \quad \]  
   \[ 5 \times 5 = \quad \]

Write the product.

2.  
   \[ 9 \times 5 \quad  \times 9 \quad \times 2 \quad \times 5 \quad \times 1 \quad \times 5 \]
   \[ \frac{45}{5} \]

3.  
   \[ 8 \times 5 \quad \times 8 \quad \times 5 \quad \times 4 \quad \times 5 \quad \times 7 \quad \times 7 \]

4.  
   \[ 5 \times 3 \quad \times 5 \quad \times 5 \quad \times 6 \quad \times 10 \quad \times 5 \quad \]

Mixed Review
Write the number.

5. nine hundred sixty-one  
6. two hundred thirty-eight  
7. four hundred forty-four  
8. two hundred twenty-one  

PW142 Practice
Multiply with 10

How many counters are there in all? Write the product.

1. \[6 \times 10 = 60\]
2. \[5 \times 10 = \ldots\]

Write the product.

3. \[
\begin{array}{cccc}
8 & 10 & 4 & 5 \\
\times 10 & \times 6 & \times 10 & \times 10 \\
\end{array}
\]

4. \[
\begin{array}{cccc}
10 & 1 & 10 & 10 \\
\times 10 & \times 10 & \times 1 & \times 2 \\
\end{array}
\]

5. \[
\begin{array}{cccc}
2 & 3 & 10 & 6 \\
\times 10 & \times 10 & \times 9 & \times 10 \\
\end{array}
\]

Mixed Review

Write the missing number.

6. 65, _____, 75, 80

7. _____, 72, 73, 74

22, 24, _____, 28

30, 40, 50, _____
Memorize the Facts

Find the product.

1.  \[
\begin{array}{c|c}
\times 2 & \\
3 & 6 \\
5 & \\
6 & \\
7 & \\
9 & \\
\end{array}
\]

2.  \[
\begin{array}{c|c}
\times 5 & \\
1 & 4 \\
4 & 6 \\
6 & 8 \\
10 & \\
\end{array}
\]

3.  \[
\begin{array}{c|c}
\times 10 & \\
2 & 4 \\
4 & 6 \\
5 & 8 \\
8 & 9 \\
9 & \\
\end{array}
\]

Complete the table.

4.  \[
\begin{array}{cccccccccc}
\times & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
2 & 2 & & & & & & & & & \\
5 & & & & & & & & & & \\
10 & & & & & & & & & & \\
\end{array}
\]

Mixed Review

Use . and $ to write the amounts.

5. three dollars, two quarters, and a penny

6. four dimes, one nickel, and three pennies

7. one dollar, fourteen pennies

8. seven dollars, three quarters
Equal Shares

1. Divide 12 apples into 3 equal groups. Circle the groups.

   How many apples are in each group? 4
   How many are left over? 0

2. Divide 7 oranges into 2 equal groups. Circle the groups.

   How many oranges are in each group? ______
   How many are left over? ______

3. Divide 16 pears into 3 equal groups. Circle the groups.

   How many pears are in each group? ______
   How many are left over? ______

**Mixed Review**

Write the greater fraction.

4. \( \frac{1}{3} \) or \( \frac{2}{3} \) ______
5. \( \frac{6}{8} \) or 1 ______
6. \( \frac{1}{4} \) or \( \frac{2}{4} \) ______
7. \( \frac{2}{5} \) or \( \frac{1}{5} \) ______
Make Equal Groups

Circle equal groups.  
How many groups are there?  
How many are left over?

1. Divide 17 ladybugs into groups of 5.

   ![Ladybugs]

   _____ groups  _____ left over

2. Divide 13 ants into groups of 6.

   ![Ants]

   _____ groups  _____ left over

3. Divide 21 beetles into groups of 3.

   ![Beetles]

   _____ groups  _____ left over

Mixed Review

What time will it be in 10 more minutes?

4. 6:25 _____ 5. 8:10 _____ 6. 1:40 _____

7. 7:05 _____ 8. 10:10 _____ 9. 3:20 _____
Subtraction and Division

Use subtraction to find the quotient.

1. You have 15. Make groups of 3.

\[
\begin{array}{cccc}
15 & 12 & 9 & 6 & 3 \\
12 & 9 & 6 & 3 & 0 \\
\end{array}
\]

\[
15 \div 3 = 5
\]

2. You have 20. Make groups of 5.

\[
\begin{array}{cccc}
20 & 15 & 10 & 5 \\
5 & 5 & 5 & 5 \\
\end{array}
\]

\[
20 \div 5 = 4
\]


\[
\begin{array}{cccc}
14 & 12 & 10 & 8 & 6 & 4 & 2 \\
2 & 2 & 2 & 2 & 2 & 2 & 2 \\
\end{array}
\]

\[
14 \div 2 = 7
\]


\[
\begin{array}{cccc}
30 & 20 & 10 \\
10 & 10 & 10 \\
\end{array}
\]

\[
30 \div 10 = 3
\]

Mixed Review

Write the missing number.

5. 14, _____, 20, 23

6. 60, 65, _____, 75

7. _____, 22, 24, 26

8. 30, 40, 50, _____
Problem Solving • Choose the Operation

Circle the number sentence that makes sense for the problem. Then solve.

1. There are 8 slices of pizza. Four friends share the pizza equally. How many slices does each friend get?

   \[ 8 \div 4 = \underline{\quad} \]

   \[ 8 - 4 = \underline{\quad} \]

   \[ \underline{2} \text{ slices} \]

2. There are 432 students in the school. 81 of the students are in the second grade. How many students are not in the second grade?

   \[ 432 + 81 = \underline{\quad} \]

   \[ 432 - 81 = \underline{\quad} \]

   \[ \underline{______} \text{ students} \]

3. Trish buys 3 boxes of granola bars. There are 8 bars in each box. How many granola bars does Trish have?

   \[ 3 \times 8 = \underline{\quad} \]

   \[ 3 + 8 = \underline{\quad} \]

   \[ \underline{______} \text{ granola bars} \]

4. Bill plants 26 daisies. He also plants 23 pansies. How many flowers does he plant in all?

   \[ 26 + 23 = \underline{\quad} \]

   \[ 26 - 23 = \underline{\quad} \]

   \[ \underline{______} \text{ flowers} \]
Problem Solving • Choose a Strategy

Choose a strategy.
Solve each problem.

1. Mario and Eric went to the store. They each spent $4.00. How much money did they spend in all?

   $ 8.00

2. Ty gave 15 pencils to 5 friends. He gave an equal number to each. How many pencils did each friend get?

   _____ pencils

3. One apple costs 5¢. Dylan has 25¢. How many apples can he buy?

   _____ apples

4. Lon gave 6 bottle caps to 2 friends. He gave an equal number to each. How many caps did each friend get?

   _____ bottle caps