January Math Packet

Name

Parent Signature

(Parents, please sign once you have checked over the math packet problems for accuracy)
Mental Math:
Reviewing Facts 0–5

Find the product.

1. \(4 \times 3\)  
2. \(3 \times 7\)  
3. \(5 \times 2\)  
4. \(7 \times 2\)  
5. \(8 \times 3\)  
6. \(2 \times 9\)  

7. \(4 \times 8\)  
8. \(5 \times 5\)  
9. \(3 \times 3\)  
10. \(6 \times 2\)  
11. \(2 \times 8\)  
12. \(6 \times 3\)

13. \(2 \times 6 = \)  
14. \(3 \times 9 = \)  
15. \(4 \times 5 = \)  
16. \(5 \times 3 = \)  
17. \(5 \times 6 = \)  
18. \(2 \times 5 = \)  
19. \(3 \times 4 = \)  
20. \(9 \times 5 = \)

Mixed Applications

21. Wes made 2 green rings. He made 3 times as many red rings. How many red rings did Wes make?

22. The Craft Shop sells 5 times as many red mats as blue. The shop sold 4 blue mats today. How many red mats were sold?

23. Yarn is on sale for 5¢ a skein. How much will 9 skeins cost?

24. Moe buys 48 shells. Joy buys 15 shells more than Moe. How many shells does Joy buy?

VISUAL THINKING

Write the multiplication fact for each picture.

25.  

26.
Problem Solving
Multistep Problems

1. Jack bought paints for $2.98 and brushes for $1.75. How much change did he receive from a $5 bill?

2. Jack paints 6 model cars with each large jar of paint, and 3 cars with each small jar. He buys 2 large jars and 1 small jar. How many cars can he paint?


4. A toy store sells 358 model trucks, 247 model cars, and 315 model airplanes. How many more models must it sell to total 1,000?

Mixed Applications

Choose a strategy and solve.

5. Jack paints 4 cars red, 3 cars blue, and 7 cars white. He paints the rest of the 25 cars black. How many are black?

6. A jar of regular paint costs $1.98. Neon paint costs $0.75 more than regular paint. How much does neon paint cost?

Mixed Review

1. Ring the numbers that would round to 600.
   597  613  624  555  651  704  580  648

   Find the sum or difference.

2.  802
3.  345
4.  980
5.  $8.97
6.  $6.00

   − 186
   + 755
   − 893
   + 1.59
   − 2.79
Mental Math: 
Reviewing Facts

Draw a picture for each division sentence. Solve.

1. \(16 \div 4 = \) 
2. \(10 \div 5 = \) 
3. \(5 \div 5 = \)

Find the quotient.

4. \(18 \div 3 = \) 
5. \(24 \div 4 = \) 
6. \(25 \div 5 = \) 
7. \(21 \div 3 = \)
8. \(15 \div 5 = \) 
9. \(14 \div 2 = \) 
10. \(12 \div 4 = \) 
11. \(20 \div 4 = \)

\[ \begin{align*}
2. & \ 5 \overline{\mid 30} \\
13. & \ 4 \overline{\mid 28} \\
14. & \ 2 \overline{\mid 8} \\
15. & \ 3 \overline{\mid 24} \\
16. & \ 5 \overline{\mid 40} \\
17. & \ 1 \overline{\mid 8} \\
8. & \ 3 \overline{\mid 12} \\
19. & \ 5 \overline{\mid 5} \\
20. & \ 3 \overline{\mid 9} \\
21. & \ 4 \overline{\mid 36} \\
22. & \ 5 \overline{\mid 20} \\
23. & \ 2 \overline{\mid 18}
\end{align*} \]

Mixed Applications

1. A fire was reported to the fire station at 2:35. The fire trucks got to the fire 12 minutes later. What time was it then?

25. Hillside Fire Station has 36 workers. They are grouped into 9 teams. How many workers are in each team?

Visual Thinking

Write two division sentences for each picture.

27. 
28. 

\[ \begin{align*}
& \text{27.} \\
& \text{28.}
\end{align*} \]
Dividing by 4

Find the quotient.

1. $24 \div 4 = \underline{\hspace{1cm}}$
2. $15 \div 3 = \underline{\hspace{1cm}}$
3. $12 \div 2 = \underline{\hspace{1cm}}$
4. $16 \div 4 = \underline{\hspace{1cm}}$
5. $28 \div 4 = \underline{\hspace{1cm}}$
6. $12 \div 4 = \underline{\hspace{1cm}}$
7. $20 \div 4 = \underline{\hspace{1cm}}$
8. $27 \div 3 = \underline{\hspace{1cm}}$
9. $24 \div 3 = \underline{\hspace{1cm}}$
10. $24 \div 4 = \underline{\hspace{1cm}}$
11. $32 \div 4 = \underline{\hspace{1cm}}$
12. $36 \div 4 = \underline{\hspace{1cm}}$
13. $4 \overline{)12}$
14. $4 \overline{)8}$
15. $3 \overline{)9}$
16. $2 \overline{)16}$
17. $4 \overline{)24}$
18. $3 \overline{)15}$
19. $3 \overline{)21}$
20. $4 \overline{)20}$
21. $4 \overline{)28}$
22. $2 \overline{)18}$
23. $4 \overline{)32}$
24. $4 \overline{)36}$

Mixed Applications

25. The third-grade class used rhythm instruments in their show. Twenty-four students shared 6 instruments. How many students shared each instrument?

26. The class sang 8 songs. Each song lasted about 2 minutes. How many minutes did all of the songs take?

NUMBER SENSE

Study the tables. Then write more or fewer to complete each sentence.

<table>
<thead>
<tr>
<th>Number of Toys for Each Child</th>
<th>Number of Acorns for Each Squirrel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toys</td>
<td>3 Children</td>
</tr>
<tr>
<td>24</td>
<td>8</td>
</tr>
</tbody>
</table>

27. If the number of toys stays the same, then the more children there are, the ______ toys each child gets.

28. If the number of squirrels stays the same, then the ______ acorns each squirrel gets.
Dividing by 3

Write a division sentence for each.

1. 

Find the quotient.

3. \(12 \div 3 = \) 4. \(18 \div 3 = \) 5. \(21 \div 3 = \) 6. \(8 \div 2 = \)

7. \(18 \div 2 = \) 8. \(24 \div 3 = \) 9. \(9 \div 3 = \) 10. \(6 \div 3 = \)

Write \(\times\) or \(\div\) for \(\bigcirc\).

11. \(15 \bigcirc 3 = 5\) 12. \(4 \bigcirc 2 = 8\) 13. \(9 \bigcirc 3 = 3\) 14. \(3 \bigcirc 7 = 21\)

Mixed Applications

15. The checkers tournament began at 11:30. It ended 2 hours and 30 minutes later. At what time was it over?

16. At the party after the tournament, Tom spent $0.65 for lemonade, $1.25 for a hot dog, and $0.95 for an apple. How much did Tom spend?

VISUAL THINKING

17. Connect the dots with 6 lines to make 2 squares. How many corners do the 2 squares have?

18. Draw 3 more lines to make 6 triangles. How many corners do the 6 triangles have?
Choose a strategy and solve.

1. Carmen practices piano for 5 minutes a day. For how many minutes does she practice in a 6-day period?

2. Mrs. Lopez, Carrie's piano teacher, teaches 3 classes a day, 5 days a week. How many classes does she teach in 5 days?

3. Greg practices piano for 20 minutes a day. He plays each piece he is assigned for 5 minutes. How many pieces does he practice each day?

4. Mrs. Lopez receives 12 roses from a student. She divides them equally among 4 vases. How many roses are in each vase?

5. The piano recital is 4 weeks from today. In how many days is the recital?

6. Tickets for the recital cost $6 for adults and $4 for children. How much will it cost for 2 adults and 3 children to go to the recital?

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**MUSIC CONNECTION**

A *duet* is a song played or sung by two musicians. Tell the number of duets a class could play if there were

7. 6 students.
8. 10 students

9. 14 students.
10. 18 students
Dividing by 2
Using Addition Doubles

Find the quotient.

1.  
   \[ \frac{12}{2} = \_\_\_ \]

2.  
   \[ \frac{10}{2} = \_\_\_ \]

Find the missing factor.

3.  \[ 2 \times \_\_\_ = 6 \]
4.  \[ 2 \times \_\_\_ = 10 \]
5.  \[ \_\_\_ \times 2 = 12 \]
6.  \[ 9 \times \_\_\_ = 18 \]

Find the quotient.

7.  \[ 8 \div 2 = \_\_\_ \]
8.  \[ 4 \div 2 = \_\_\_ \]
9.  \[ 12 \div 2 = \_\_\_ \]
10. \[ 16 \div 2 = \_\_\_ \]
11. \[ 18 \div 2 = \_\_\_ \]
12. \[ 10 \div 2 = \_\_\_ \]
13. \[ 6 \div 2 = \_\_\_ \]
14. \[ 14 \div 2 = \_\_\_ \]

Mixed Applications

15. Kim earned $3 an hour for raking leaves. It took him 2 hours to do the job. How much money did he earn?

16. The dividend is 12. The divisor is 2. What is the quotient?

Mixed Review

Find the product.

1. \[ 8 \times 3 \]
2. \[ 9 \times 7 \]
3. \[ 3 \times 8 \]
4. \[ 5 \times 9 \]
5. \[ 7 \times 8 \]
6. \[ 4 \times 6 \]

Write the money amount.

7. \[ \text{[Image of money]} \]
8. \[ \text{[Image of money]} \]
Dividing by 5

Find the quotient.

1. $5\div15$  
2. $4\div16$  
3. $5\div10$  
4. $2\div12$  
5. $5\div25$  
6. $4\div12$

7. $5\div20$  
8. $2\div10$  
9. $5\div30$  
10. $3\div18$  
11. $4\div28$  
12. $5\div45$

13. $5\div35$  
14. $4\div24$  
15. $3\div21$  
16. $5\div40$  
17. $3\div15$  
18. $4\div20$

19. $25 \div 5 = \_\_\_$  
20. $40 \div 5 = \_\_\_$  
21. $24 \div 4 = \_\_\_$  
22. $18 \div 3 = \_\_\_$

23. $45 \div 5 = \_\_\_$  
24. $5 \div 5 = \_\_\_$  
25. $16 \div 4 = \_\_\_$  
26. $8 \div 2 = \_\_\_$

Mixed Applications

27. Sarina made 8 bracelets out of yarn. She used 5 strands of yarn for each bracelet. How many strands of yarn did Sarina use?

28. A skein of yarn is 15 feet long. Sarina needs 3 feet to make a necklace. How many necklaces can Sarina make from one skein?

EVERYDAY MATH CONNECTION

Liza works at an arcade. She trades quarters for nickels so that customers can play the arcade games.

29. Quint has 10 nickels. How many quarters will Liza give Quint?

30. Cai has 25 nickels. How many quarters will Liza give Cai?

31. Liza gives Pat 3 quarters. How many nickels did Pat give to Liza?

32. Wes gives Liza some nickels. She gives Wes 8 quarters. How many nickels did Wes give Liza?
Dividing Using 0 and 1

Find the quotient.

1. $2 \div 2 = \underline{\quad}$
2. $0 \div 2 = \underline{\quad}$
3. $7 \div 1 = \underline{\quad}$
4. $20 \div 4 = \underline{\quad}$
5. $8 \div 1 = \underline{\quad}$
6. $0 \div 5 = \underline{\quad}$
7. $9 \div 9 = \underline{\quad}$
8. $0 \div 4 = \underline{\quad}$
9. $0 \div 6 = \underline{\quad}$
10. $12 \div 3 = \underline{\quad}$
11. $5 \div 1 = \underline{\quad}$
12. $3 \div 3 = \underline{\quad}$
13. $6 \div 1 = \underline{\quad}$
14. $8 \div 8 = \underline{\quad}$
15. $27 \div 3 = \underline{\quad}$
16. $7 \div 7 = \underline{\quad}$

Mixed Applications

Write a number sentence and solve.

17. Luis spent 1 hour molding a clay bowl. Then it took him 25 minutes to glaze the bowl. How much longer did Luis spend molding the bowl?

18. There were 8 different glaze colors to choose from. The art teacher had 4 jars of each color. How many jars did the art teacher have?

19. The art teacher placed 87 clay bowls and 18 clay vases in the kiln to be fired. How many pieces were being fired in the kiln?

20. Clay is shipped in 36-pound blocks. Each block is divided equally into 9 smaller blocks. How many pounds does each smaller block weigh?

NUMBER SENSE

Complete.

21. $7 \times 4 = 28$, so $28 \div \underline{\quad} = 7$.
22. $9 \times 3 = 27$, so $27 \div \underline{\quad} = 9$.
23. $8 \times 5 = 40$, so $40 \div \underline{\quad} = 8$.
24. $6 \times 4 = 24$, so $24 \div \underline{\quad} = 6$.
25. $36 \div 4 = 9$, so $9 \times \underline{\quad} = 36$.
26. $21 \div 3 = 7$, so $7 \times \underline{\quad} = 21$. 
Connecting Multiplication and Division

Use the pictures to solve.

1. \[ 3 \times 7 = \]
   \[ 21 \div 7 = \]

2. \[ 5 \times 4 = \]
   \[ 20 \div 4 = \]

Write the fact family for each set of numbers.

3. 4, 6, 24

4. 2, 5, 10

5. 3, 9, 27

Mixed Applications

6. There are 18 students in Rosa's class. They are working in groups of 3. Draw a picture to show how many groups there are.

7. Some crayons are divided equally among 3 students. Each student gets 8 crayons. How many crayons are there?

SCIENCE CONNECTION

Farmers in Pennsylvania have been feeding their cows chocolate to make their milk better. Each cow's daily feed includes about 4 pounds of chocolate. Tell how many cows could be fed with the following amounts of chocolate.

8. 8 pounds feeds ____ cows

9. 12 pounds feeds ____ cows

10. 24 pounds feeds ____ cows

11. 20 pounds feeds ____ cows
Connecting Subtraction and Division

Use the pictures to solve.

1. How many twos are in 8? __________
   \[ 8 \div 2 = \_\_\_\_\_ \]

2. How many fives are in 15? __________
   \[ 15 \div 5 = \_\_\_\_\_ \]

3. How many fours are in 12? __________
   \[ 12 \div 4 = \_\_\_\_\_ \]

4. Draw 10 boxes. Show 10 \div 2 = __________

5. Draw 6 chips. Show 6 \div 3 = __________

6. Draw 12 sticks. Show 12 \div 2 = __________

Mixed Applications

7. Ed has 8 pens. He puts them into groups of 2. Draw a picture to show how many groups of 2 pens Ed has.

8. Anna uses 1 eraser for every 2 packs of pencils she uses. If she uses 10 packs of pencils in a year, how many erasers will she use?

 Writer’s Corner

9. Write a few sentences describing one way to explain to a friend how to solve 18 \div 3.
Exploring Division

Manipulatives

Answer the questions for each picture.

1. How many in all? ____
   How many groups? ____
   How many in each group? ____
   \[6 \div 2 = \__\]

2. How many in all? ____
   How many groups? ____
   How many in each group? ____
   \[21 \div 3 = \__\]

3. How many in all? ____
   How many groups? ____
   How many in each group? ____
   \[12 \div 3 = \__\]

Divide. Use counters and circles.

4. \[15 \div 5 = \__\]
5. \[8 \div 4 = \__\]
6. \[10 \div 2 = \__\]
7. \[28 \div 4 = \__\]

VISUAL THINKING

Complete the multiplication sentence and the division sentence for each picture.

8. \[2 \times 2 = \__\]
   \[4 \div 2 = \__\]

9. \[3 \times 3 = \__\]
   \[9 \div 3 = \__\]

10. \[4 \times 4 = \__\]
    \[16 \div 4 = \__\]
Problem Solving
Make Choices

<table>
<thead>
<tr>
<th>Crafts Plus Prices</th>
</tr>
</thead>
<tbody>
<tr>
<td>Markers</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>Thin</td>
</tr>
<tr>
<td>Medium</td>
</tr>
<tr>
<td>Wide</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

1. Wayne buys a vest. He has $3 left to spend at Crafts Plus. He wants to buy paint and a marker. What choices could he make?

2. Edie has $20 to spend on clothes, paint, and a marker at Crafts Plus. What choices could she make if she buys one of each type of item?

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**Mixed Applications**

Choose a strategy and solve.

3. Use the list above. Una buys a vest, a thin marker, and neon paint. What is the total cost?

4. Sofia buys 7 markers and 3 times as many paints. How many paints does she buy?

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**Writer's Corner**

5. Imagine that you can buy and decorate an item of clothing at Crafts Plus. Choose what you will buy and write a word problem about your purchase. Find the total cost.

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Mental Math:
Multiplication Review

Find the product.

1. \[3 \times 5\]  
2. \[2 \times 7\]  
3. \[8 \times 9\]  
4. \[6 \times 2\]  
5. \[7 \times 4\]  
6. \[9 \times 4\]  
7. \[8 \times 3\]  
8. \[6 \times 7\]  
9. \[2 \times 8\]  
10. \[6 \times 9\]  
11. \[8 \times 5\]  
12. \[1 \times 1\]  
13. \[9 \times 5\]  
14. \[8 \times 0\]  
15. \[5 \times 7\]  
16. \[9 \times 8\]  
17. \[6 \times 6\]  
18. \[7 \times 3\]  
19. \[4 \times 1 = \_\]  
20. \[8 \times 0 = \_\]  
21. \[1 \times 9 = \_\]  
22. \[4 \times 2 = \_\]  
23. \[0 \times 6 = \_\]  
24. \[1 \times 7 = \_\]  
25. \[3 \times 2 = \_\]  
26. \[3 \times 3 = \_\]

Mixed Applications

Solve.

27. Marty spent $49.95 on a radio-controlled car and $19.95 for a year's subscription to *RC Car Action* magazine. What was Marty's total cost?

28. Marty spends $3 per week to race his radio-controlled car. How much does he spend for an 8-week pass to race his car?

Mixed Review

1. Write the value of the digit 9 in standard form.

   495,703  
   916,407  
   207,931

2. Write the least number of coins and bills you would get as change when you give $10 for a purchase of $5.83.
Multiply
Using 9 as a Factor

Find the product.

1. \(9 \times 3 = \) ____ 2. \(4 \times 9 = \) ____ 3. \(9 \times 1 = \) ____ 4. \(2 \times 9 = \) ____
5. \(9 \times 7 = \) ____ 6. \(9 \times 9 = \) ____ 7. \(9 \times 5 = \) ____ 8. \(9 \times 8 = \) ____

\[
\begin{array}{cccc}
9 & 10 & 11 & 12 \\
\times 8 & \times 9 & \times 4 & \times 6 \\
\end{array}
\]

13. \(9 \times 0 = \) ____ 14. \(5 \times 9 = \) ____

\[
\begin{array}{cccc}
15 & 16 & 17 & 18 \\
\times 7 & \times 6 & \times 8 & \times 9 \\
19 & 9 & 20 & 3 \\
\times 2 & \times 9 \\
\end{array}
\]

Mixed Applications

Solve.

21. Mr. Eaton is 38 years old. Maria is 29 years younger than Mr. Eaton. How old is Maria?

______________________________

22. A year in a human’s life is said to equal 7 years in a dog’s life. If a dog is 9 human-years old, what is its age in dog-years?

______________________________

NUMBER SENSE

Fill in the numbers to make each fact true.

23. \(10 \times 1 = 10\)

\[
\begin{array}{cc}
9 \times 1 = \text{____} & \text{less than 10} \\
10 - 1 = \text{____}, \text{so } 9 \times 1 = \text{____} \\
\end{array}
\]

24. \(10 \times 2 = 20\)

\[
\begin{array}{cc}
9 \times 2 = \text{____} & \text{less than 20} \\
20 - 2 = \text{____}, \text{so } 9 \times 2 = \text{____} \\
\end{array}
\]

25. \(10 \times 3 = 30\)

\[
\begin{array}{cc}
9 \times 3 = \text{____} & \text{less than 30} \\
30 - 3 = \text{____}, \text{so } 9 \times 3 = \text{____} \\
\end{array}
\]

26. \(10 \times 4 = 40\)

\[
\begin{array}{cc}
9 \times 4 = \text{____} & \text{less than 40} \\
40 - 4 = \text{____}, \text{so } 9 \times 4 = \text{____} \\
\end{array}
\]
Multiply
Using 8 as a Factor

Complete the table. Find the product.

1. 

<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>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Find the product.

2. \(8 \times 7\)  
3. \(4 \times 9\)  
4. \(8 \times 8\)  
5. \(5 \times 8\)  
6. \(9 \times 7\)  
7. \(8 \times 2\)

8. \(8 \times 3 = \_\_\_\_\_\_\_\_\_\)  
9. \(9 \times 8 = \_\_\_\_\_\_\_\_\)  
10. \(4 \times 8 = \_\_\_\_\_\_\_\_\)  
11. \(6 \times 8 = \_\_\_\_\_\_\_\_\)

Mixed Applications

Solve.

12. Ellen buys toy rings at 8 for $1.00. She spends $3.00. How many toy rings does she buy?

13. A plastic model costs $3.98. A metal model costs $6.75. How much more does a metal model cost than a plastic model?

EVERYDAY MATH CONNECTION

The standard height of a 1-story room is 8 feet. A building that is 3 stories high may be about 24 feet tall, because \(3 \times 8 = 24\).

Find about how tall each of these buildings is. Use your calculator when needed.

14. 5-story house = about _____ feet tall.
15. 8-story apartment house = about _____ feet tall.
16. 10-story hotel = about _____ feet tall.
17. 25-story skyscraper = about _____ feet tall.
Multiply
Using 7 as a Factor

Use what you know about the Order Property to find the product.

1. $7 \times 9 = \underline{\hspace{2cm}}$  
2. $7 \times 3 = \underline{\hspace{2cm}}$  
3. $7 \times 2 = \underline{\hspace{2cm}}$  
4. $8 \times 7 = \underline{\hspace{2cm}}$

5. $7 \times 6 = \underline{\hspace{2cm}}$  
6. $9 \times 7 = \underline{\hspace{2cm}}$  
7. $5 \times 7 = \underline{\hspace{2cm}}$  
8. $7 \times 4 = \underline{\hspace{2cm}}$

Find the product.

9. $8 \times 7 = \underline{\hspace{2cm}}$  
10. $7 \times 3 = \underline{\hspace{2cm}}$  
11. $7 \times 9 = \underline{\hspace{2cm}}$  
12. $9 \times 3 = \underline{\hspace{2cm}}$  
13. $2 \times 8 = \underline{\hspace{2cm}}$  
14. $4 \times 6 = \underline{\hspace{2cm}}$

15. $4 \times 9 = \underline{\hspace{2cm}}$  
16. $7 \times 5 = \underline{\hspace{2cm}}$  
17. $6 \times 3 = \underline{\hspace{2cm}}$  
18. $8 \times 6 = \underline{\hspace{2cm}}$  
19. $7 \times 7 = \underline{\hspace{2cm}}$  
20. $7 \times 8 = \underline{\hspace{2cm}}$

Mixed Applications

Solve.

21. Risa buys a model for $6.75, paint for $1.98, and glue for $0.95. How much does Risa spend?

22. Thuy puts 7 toy boats in each of 8 rows. How many boats does he have?

EVERYDAY MATH CONNECTION

There are 7 days in 1 week.

23. A month is about 4 weeks long. About how many days is that?

24. A year is about 52 weeks long. About how many days is that? Use your calculator to help you.
Multiply
Using 6 as a Factor

Draw a number line to find the product.

1. $9 \times 6 = \underline{54}$
2. $8 \times 6 = \underline{48}$

3. $6 \times 5 = \underline{30}$
4. $7 \times 6 = \underline{42}$

Find the product.

5. $3 \times 6 = 18$
6. $4 \times 6 = 24$
7. $6 \times 6 = 36$
8. $6 \times 8 = 48$
9. $6 \times 5 = 30$
10. $8 \times 8 = 64$

11. $4 \times 8 = 32$
12. $6 \times 5 = 30$
13. $5 \times 9 = 45$
14. $5 \times 7 = 35$
15. $6 \times 7 = 42$
16. $6 \times 9 = 54$

Mixed Applications
Solve.

17. There are 8 cassette tapes on each of 6 shelves. How many tapes are on the shelves? ______________

18. Mary buys 6 tapes at $2.00 each and a case for $4.98. How much money does she spend? ______________

NUMBER SENSE

19. One factor is 5. The product is 35. What is the other factor? ______________

20. The product is 36. Both factors are the same. What are the factors? ______________
Exploring Arrays

Write the multiplication sentence for each array.

1.  
2.  
3.  
4.  
5.  
6.  

7. Look at your answers to Exercises 1–6. Write the multiplication sentences with products that are square numbers.

Find the product. Write yes or no to tell which products are square numbers.

8. 7  9. 3  10. 6  11. 6  12. 7  13. 8
   \times 7 \quad \times 8 \quad \times 6 \quad \times 5 \quad \times 8 \quad \times 8

MIXED REVIEW

Find the sum or difference.

1. 396  + 197  
2. 279  − 83   
3. 1,230  − 985 
4. 8,903  + 2,468 
5. $5.90  − 1.79$

Find the sum. Write the matching multiplication sentence.

6. 2 + 2 + 2 + 2 = _____
7. 5 + 5 + 5 + 5 + 5 = _____