1. Multiply.
   \[ 2 \times 9 = \underline{} \]

2. Fill in the missing factor.
   \[ 4 \times \underline{} = 36 \]

3. Fill in the missing product.
   \[ 8 \times 7 = \underline{} \]

4. Fill in the missing factor.
   \[ 8 \times \underline{} = 56 \]

5. Fill in the missing factor.
   \[ \underline{} \times 3 = 30 \]

6. Fill in the missing product.
   \[ \underline{} = 6 \times 5 \]

7. Fill in the missing product.
   \[ \underline{} = 2 \times 4 \]

8. \[
\begin{array}{c}
5 \\
\times 9 \\
\hline
\square
\end{array}
\]

9. Solve the following. Fill in the diagram. Then use counters, arrays, pictures, or whatever you need to find the answer. Record your answer with a unit.

   There were 15 players riding in 3 vans. The same number of players rode in each van. How many players rode in each van?

<table>
<thead>
<tr>
<th>vans</th>
<th>players per van</th>
<th>total number of players</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   Answer: __________________________ (unit)
10. Solve the following. Fill in the diagram. Then use counters, arrays, pictures, or whatever you need to find the answer. Record your answer with a unit.

For your party, you want to buy 35 toy whistles. If the toy whistles come in packages of 5, how many packages will you need to buy?

<table>
<thead>
<tr>
<th>packages</th>
<th>toy whistles per package</th>
<th>total number of toy whistles</th>
</tr>
</thead>
</table>

Answer: __________________________ (unit)

11. Draw a line segment, $RS$, that is parallel to $BC$.

12. Draw a ray, $NO$, that intersects $AB$.

13. a. How many faces? ___________
    b. How many vertices? ___________
    c. How many edges? ___________
14. Make ballpark estimates for each problem. Write number models for your estimates. Then add. Use your estimate to check if your answers make sense.

\[
\begin{array}{c}
497 \\
+ 324 \\
\end{array}
\]

Ballpark estimate: ________________
Answer: ________________

15. Make ballpark estimates for each problem. Write number models for your estimates. Then subtract. Use your estimate to check if your answers make sense.

\[
\begin{array}{c}
710 \\
- 242 \\
\end{array}
\]

Ballpark estimate: ________________
Answer: ________________

16. Find the missing value: ___ = 3 \times (4 + 4 )

17. Find the missing value: (3 \times 5) \div 2 = ___

18. Solve the multiplication/division puzzle. Fill in the blanks.

<table>
<thead>
<tr>
<th>\times, \div</th>
<th>50</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
19. Solve the multiplication/division puzzle. Fill in the blanks.

<table>
<thead>
<tr>
<th>×, ÷</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10</td>
</tr>
<tr>
<td>70</td>
<td>1,400</td>
</tr>
</tbody>
</table>

20. Enrique wants to buy a box of pencils for $1.05 and a pad of drawing paper for $3.88. He has $6.00.
   a. Does he have enough money? ________________
   b. Write the number model you used.______________________
   c. Explain your thinking. ________________________________

21. Find the missing value: ____ = 49 ÷ (8 - 1)

22. Mr. Takoshi’s third grade class is decorating cookies for a school bake sale. They are decorating each cookie with 6 candy-coated chocolate pieces. The candy-coated chocolate pieces come in packages of 20. Mr. Takoshi wants to buy enough packages so that all of the candy-coated pieces in the packages will be used without any left over. How many packages could he buy? How many cookies will that decorate? Use words or pictures to tell how you solved the problem.
Answers

[1] 18
[2] 9
[3] 56
[4] 7
[5] 10
[6] 30
[7] 8
[8] 45

<table>
<thead>
<tr>
<th>vans</th>
<th>players per van</th>
<th>total number of players</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>?</td>
<td>15</td>
</tr>
</tbody>
</table>

Answer: 5 players

<table>
<thead>
<tr>
<th>packages</th>
<th>toy whistles per package</th>
<th>total number of toy whistles</th>
</tr>
</thead>
<tbody>
<tr>
<td>?</td>
<td>5</td>
<td>35</td>
</tr>
</tbody>
</table>

Answer: 7 packages

[11] Sample answer:

\[ \text{Sample answer:} \]

\[ \text{Sample answer:} \]

[12] Sample answer:

\[ \text{Sample answer:} \]

\[ \text{Sample answer:} \]

[13] a. 4
b. 4
c. 6

[14] Ballpark estimate: \[ 500 + 300 = 800 \]
Answer: 821
Answer: 468

[16] 24

[17] 17

[18]

<table>
<thead>
<tr>
<th>×, ÷</th>
<th>50</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>350</td>
<td>4,200</td>
</tr>
<tr>
<td>6</td>
<td>300</td>
<td>3,600</td>
</tr>
</tbody>
</table>

[19]

<table>
<thead>
<tr>
<th>×, ÷</th>
<th>5</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>10</td>
<td>40</td>
</tr>
<tr>
<td>70</td>
<td>350</td>
<td>1,400</td>
</tr>
</tbody>
</table>

[20] a. Yes
b. Sample answer: $1.05 is about $1.00, and $3.88 is about $4.00. That is about $5.00.
c. $1.00 + $4.00 = $5.00.

[21] 7

[22] Sample answer: 3 packages will decorate 10 cookies without any left over.