Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

Enter your answers and your work in the space provided.
Task is worth a total of 3 points.

<table>
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<tr>
<th>Score</th>
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</table>
| 3     | Student response includes the following 3 elements.  
       | • **Modeling component** = 2 points  
       |   • Valid method to find the number of pictures in one package  
       |   and gives the correct number of pictures; 9  
       |   • Valid method showing how the number of pictures in a  
       |   package is used to find the number of packages  
       | • **Computation component** = 1 point  
       |   • Correct number of packages, 4  
     | Sample Student Response:  
     |   Number of pictures in 1 package: \(4 + 3 + 2 = 9\) pictures  
     |   Number of packages: \(36 \div 9 = 4\)  
     |   Mr. Haley bought 4 packages. |
| 2     | Student response includes 2 of the 3 elements. |
| 1     | Student response includes 1 of the 3 elements. |
| 0     | Student response is incorrect or irrelevant. |
Anchor Set
A1 – A8
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[ \frac{2}{3} + \frac{4}{9} = \frac{10}{9} \]

\[ 36 \div 9 = 4 \]

He bought 4 packages
Annotations

Anchor Paper 1
Score Point 3
This response receives full credit. The response includes each of the three required elements:

- Valid work is provided to find the number of pictures in one package (2+3+4=9).
- Valid work is shown to find the number of packages (36 ÷ 9 = 4). 36 divided by 9 is the total amount of pictures purchased divided by the number of pictures in one package.
- The correct number of packages is identified (He bought 4 packages).
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.
This response receives full credit. The response includes each of the three required elements:

- Valid work provided to find the number of pictures in one package is identified with work shown by the student drawing a line of 4 small pictures, a line of 3 medium pictures, and a line of two large pictures and adding the three lines up to find the sum (9 pictures).

- Correct work is shown to find the number of packages needed by drawing the number of pictures in one package and repeating that package until 36 pictures were found.

- The correct number of packages is identified (he bought 4 packages).
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[4 + 3 + 2 = 9\]

He bought 4 packages with 9 in each package.
Anchors Paper 3
Score Point 2
This response receives partial credit. The response includes two of the three required elements:

- Valid work is provided to find the number of pictures in one package ($4 + 3 + 2 = 9$).
- The correct number of packages is identified (He bought 4 packages).

No work is shown to find the number of packages.
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

4 because $36 \div 9 = 4$, so the answer is 4.
<table>
<thead>
<tr>
<th><strong>Annotations</strong></th>
</tr>
</thead>
</table>
| **Anchor Paper 4**  
**Score Point 2**  
This response receives partial credit. The response includes two of the three required elements: |
| • Valid work is shown to find the number of packages needed by dividing the total number of pictures purchased by the number of pictures in one package ($36 \div 9 = 4$). |
| • The correct number of packages is identified (*the answer is 4*). |
| No work is shown to find the number of pictures in one package. |
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[ 4 + 3 + 2 = 9 \]. He bought 6 packages.
An incorrect number of packages (6) is identified.

No work is shown using the numbers of pictures in one package to find the number of packages.

Valid work is provided to find the number of pictures in one package ($4 + 3 + 2 = 9$).

This response receives partial credit. The response includes one of the three required elements:
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[
36 \div 9 = 4
\]
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<tr>
<td><strong>Anchor Paper 6</strong></td>
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<tr>
<td><strong>Score Point 1</strong></td>
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<tr>
<td>This response receives partial credit. The response includes one of the</td>
</tr>
<tr>
<td>three required elements:</td>
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<tr>
<td>- Valid work is shown to find the number of packages ( ( 36 \div 9 = 4 )).</td>
</tr>
<tr>
<td>36 divided by 9 represents the total number of pictures divided by the</td>
</tr>
<tr>
<td>number of pictures in one package.</td>
</tr>
<tr>
<td>No work is shown to find the number of pictures in each package.</td>
</tr>
<tr>
<td>The number of packages is not identified. Although the number 4 is</td>
</tr>
<tr>
<td>provided, it is not identified as the number of packages needed.</td>
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Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[
\begin{align*}
4 & \quad 12 \quad \text{in each package} \\
\frac{3}{2} & \quad 6 \quad \text{packages} \\
\frac{36}{24} & \quad - \frac{29}{12}
\end{align*}
\]
Annotations

Anchor Paper 7
Score Point 0
This response receives no credit. The response includes none of the three required elements:

An incorrect number of pictures in one package (12) is identified.

The work shown is not a valid method to find the number of pictures in one package ($4 + 3 + 2 = 24$).

The work does not show a valid method to find the number of packages ($36 - 24 = 12$).

An incorrect number of packages (6) is identified.
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

- 9 pictures in each package
- 36 packages
Anchors Paper 8
Score Point 0
This response receives no credit. The response includes none of the three required elements:

While the number of pictures in each package is identified (9 pictures in each package), no work is shown to find the number of pictures in one package. The work must be shown to receive credit for this element.

No work is shown to find the number of packages.

An incorrect number of packages (36) is identified.
Practice Set
P101 - P105
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

There is 9 pictures in each package.

She bought 4 packages.
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[36 + 4 + 3 + 2 = 45\]
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

9 pictures in each package
4 + 3 + 2 = 9
Mr. Haley bought 4 packages
9 + 9 + 9 + 9 = 36
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

9 in each package
Mr. Haley has to buy 4 packages
Mr. Haley bought a total of 36 pictures. The pictures are only sold in packages. Each package came with 4 small pictures, 3 medium pictures, and 2 large pictures. Mr. Haley bought 36 pictures in all.

How many pictures were in each package? Show your work.

How many packages did he buy? Show your work.

\[ 4 + 3 + 2 = 9 \]
\[ 36 \div 9 = 4 \]
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</tr>
<tr>
<td>P104</td>
<td>1</td>
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<tr>
<td>P105</td>
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