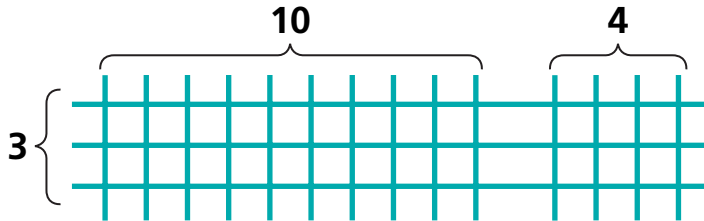


Using Arrays for Division

NCTM Standards 1, 2, 6, 7, 9, 10

Fill in the missing numbers.

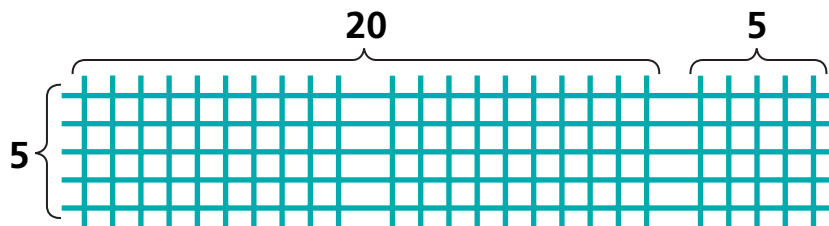
1



$$\begin{array}{r} \square + \square \\ 3 \overline{) 30 + 12} \end{array}$$

$$\square \div 3 = \square$$

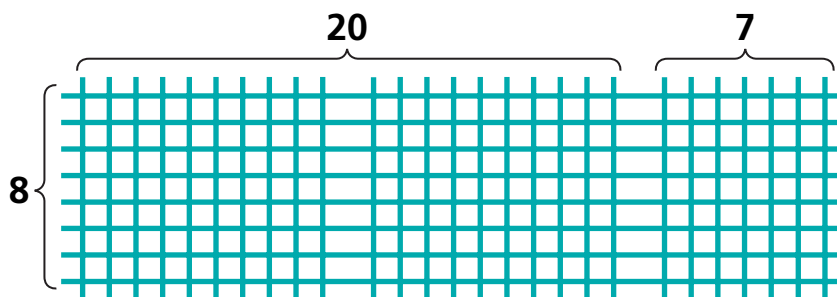
2



$$\begin{array}{r} \square + 5 \\ 5 \overline{) 100 + \square} \end{array}$$

$$\square \div 5 = \square$$

3



$$\begin{array}{r} 20 + 7 \\ 8 \overline{) \square + \square} \end{array}$$

$$\square \div 8 = \square$$

Solve these division puzzles. You may draw diagrams on a separate piece of paper if it helps.

<p>4</p> $\begin{array}{r} \boxed{20} + \boxed{3} \\ \hline \boxed{4} \overline{) \boxed{} + \boxed{}} \end{array}$ $\boxed{} \div \boxed{4} = \boxed{23}$	<p>5</p> $\begin{array}{r} \boxed{} + \boxed{7} \\ \hline \boxed{5} \overline{) \boxed{100} + \boxed{}} \end{array}$ $\boxed{} \div \boxed{5} = \boxed{}$	<p>6</p> $\begin{array}{r} \boxed{30} + \boxed{6} \\ \hline \boxed{} \overline{) \boxed{} + \boxed{12}} \end{array}$ $\boxed{} \div \boxed{} = \boxed{36}$
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<p>7</p> $\begin{array}{r} \boxed{10} + \boxed{8} \\ \hline \boxed{8} \overline{) \boxed{} + \boxed{}} \end{array}$ $\boxed{} \div \boxed{8} = \boxed{18}$	<p>8</p> $\begin{array}{r} \boxed{40} + \boxed{} \\ \hline \boxed{8} \overline{) \boxed{} + \boxed{32}} \end{array}$ $\boxed{} \div \boxed{8} = \boxed{}$	<p>9</p> $\begin{array}{r} \boxed{20} + \boxed{9} \\ \hline \boxed{} \overline{) \boxed{} + \boxed{54}} \end{array}$ $\boxed{} \div \boxed{} = \boxed{29}$
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<p>10</p> $\begin{array}{r} \boxed{10} + \boxed{3} \\ \hline \boxed{12} \overline{) \boxed{} + \boxed{}} \end{array}$ $\boxed{} \div \boxed{12} = \boxed{13}$	<p>11</p> $\begin{array}{r} \boxed{} + \boxed{4} \\ \hline \boxed{25} \overline{) \boxed{250} + \boxed{}} \end{array}$ $\boxed{} \div \boxed{25} = \boxed{}$	<p>12</p> $\begin{array}{r} \boxed{} + \boxed{3} \\ \hline \boxed{} \overline{) \boxed{240} + \boxed{36}} \end{array}$ $\boxed{276} \div \boxed{} = \boxed{}$
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13 Challenge Bea is running the forklift. She can lift 8 crates at a time, each with the same number of toaster ovens.

At each lift, she holds 192 toaster ovens. How many ovens are in each crate?
