

Guided Practice

2.4

NAME _____

Module 2 Whole Number Operations
Lesson 4 Large Numbers: Division

Set 1

Solve using the Partial Quotients Method.

- 1 Ken owes Sue \$396. Ken pays Sue back in nine equal payments. How much money is in each payment?

$$\begin{array}{r}
 396 \\
 - 180 \\
 \hline
 216 \\
 4 \\
 20 \\
 20 \\
 \hline
 9 \overline{)396} \\
 36 \\
 \underline{-36} \\
 0
 \end{array}$$

$$\begin{array}{r}
 20 + 20 + 4 = 44 \\
 \hline
 9 \overline{)396}
 \end{array}$$

Each payment is \$44.

- 2 Stella made \$108 last week baby-sitting for 18 hours. How much money did Stella charge per hour for baby-sitting?

$$\begin{array}{r}
 108 \\
 - 90 \\
 \hline
 18 \\
 1 \\
 \hline
 5 \\
 \hline
 18 \overline{)108}
 \end{array}$$

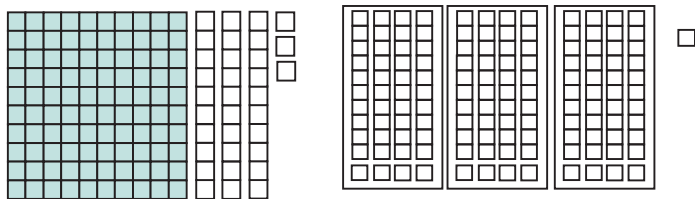
$$\begin{array}{r}
 5 + 1 = 6 \\
 \hline
 18 \overline{)108}
 \end{array}$$

Stella charged \$6 per hour.

Set 2

Model the solution to the following problems.

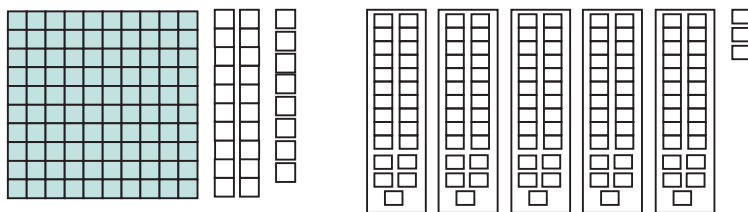
1 $3 \overline{)133}^{44R1}$



$$\begin{array}{r} 44 \\ 3 \overline{)133} \\ \underline{120} \\ 13 \\ \underline{12} \\ 1 \end{array}$$

$133 \div 3 = 44 \text{ R } 1$

2 $5 \overline{)128}^{25R3}$



$$\begin{array}{r} 25 \\ 5 \overline{)128} \\ \underline{100} \\ 28 \\ \underline{25} \\ 3 \end{array}$$

$128 \div 5 = 25 \text{ R } 3$

Set 3

Solve each of the following.

- 1 Mark won 260 gumballs at the carnival. He gave each of 14 friends an equal number of gumballs and kept the gumballs left over for himself. How many gumballs did Mark keep?

$$\begin{array}{r} 18 \text{ R } 8 \\ 14 \overline{)260} \\ \underline{140} \\ 120 \\ \underline{112} \\ 8 \end{array}$$

Use the remainder. Mark kept 8 gumballs.

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Module 2 **Whole Number Operations**
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- 2** Vince needs 550 cups for his party. If cups come in packages of 75, how many packages of cups does Vince have to buy?

$$\begin{array}{r} 7 \text{ R}25 \\ 75 \overline{)550} \\ \underline{525} \\ 25 \end{array}$$

Increase the quotient. Vince needs 8 packages of cups.

- 3** Karlie has 256 jelly beans. If Karlie divides the jelly beans equally among each of 12 friends, how many jelly beans does each friend receive?

$$\begin{array}{r} 21 \text{ R}4 \\ 12 \overline{)256} \\ \underline{240} \\ 16 \\ \underline{12} \\ 4 \end{array}$$

Drop the remainder. Each friend receives 21 jelly beans.

