

# Homework & Practice 5-6

## Use Partial Quotients to Divide

### Another Look!

On City Clean-Up Day, 48 people volunteered to clean up the city park. The volunteers worked in groups of 3. How many groups cleaned up the city park?

3	$\begin{array}{r} 48 \\ - 30 \\ \hline 18 \end{array}$	+ $\begin{array}{r} 18 \\ - 18 \\ \hline 0 \end{array}$	= 16
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3	$\begin{array}{r} 6 \\ 10 \end{array} \Bigg) 16$
	$\begin{array}{r} 3 \overline{)48} \\ - 30 \\ \hline 18 \\ - 18 \\ \hline 0 \end{array}$

You can use partial quotients to divide.



16 groups cleaned up the city park.

For 1–12, use partial quotients to divide.

1.  $\square \overline{)92}$

$\square + \square = \square$

4	$\begin{array}{r} 92 \\ - \square \\ \hline \square \end{array}$	+ $\begin{array}{r} 12 \\ - \square \\ \hline \square \end{array}$
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2.  $\square \overline{)36}$

$\square + \square = \square$

2	$\begin{array}{r} 36 \\ - \square \\ \hline \square \end{array}$	+ $\begin{array}{r} 16 \\ - \square \\ \hline \square \end{array}$
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3.  $\square \overline{)75}$

$\square + \square = \square$

5	$\begin{array}{r} 75 \\ - \square \\ \hline \square \end{array}$	+ $\begin{array}{r} 25 \\ - \square \\ \hline \square \end{array}$
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4.  $\square \overline{)72}$

$\square + \square = \square$

3	$\begin{array}{r} 72 \\ - \square \\ \hline \square \end{array}$	+ $\begin{array}{r} 12 \\ - \square \\ \hline \square \end{array}$
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5.  $6 \overline{)78}$

6.  $4 \overline{)96}$

7.  $7 \overline{)91}$

8.  $3 \overline{)99}$

9.  $3 \overline{)57}$

10.  $5 \overline{)80}$

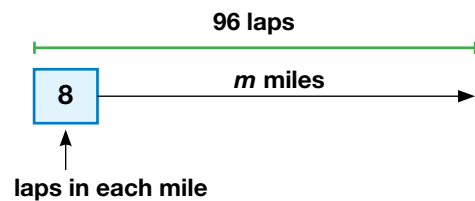
11.  $4 \overline{)68}$

12.  $6 \overline{)84}$

13. **Number Sense** For her party, can Nina fill fewer than 10 bags with treats, between 10 and 20 bags, between 20 and 30 bags, or more than 30 bags? Explain.



14. **MP.4 Model with Math** Eight laps of a pool is equal to one mile. Victor swam 96 laps last week. How many miles did Victor swim? Use the bar diagram to write and solve an equation.

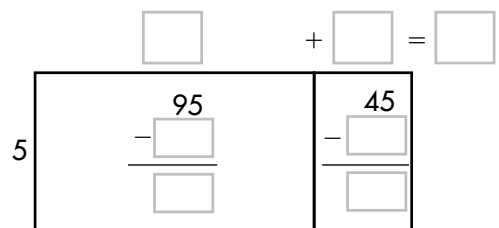


15. **MP.1 Make Sense and Persevere** Georgena has 84 pictures she wants to organize in a photo album. How many more pages of the album will be used if Georgena puts 4 pictures on each page than if she puts 6 pictures on each page?

16. **Higher Order Thinking** Ryan has a total of 85 pennies. Will he be able to give away his pennies equally to 4 of his friends? Explain.

### Common Core Assessment

17. Christopher has 95 toy cars. He arranges his cars in 5 equal rows. Write numbers in the boxes to complete the partial quotient model and the equation to find the number of cars in each row.



$95 \div 5 = \square$  cars