



Practice



Video



Tools



Games

Additional Practice 5-5

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?

$$\begin{array}{r} 6 \\ 10 \end{array} \Bigg\} 16$$

$3 \overline{)48}$ Estimate: How many 3s are in 48? Try 10.

$$\begin{array}{r} - 30 \\ \hline 18 \end{array}$$

Estimate: How many 3s are in 18? 6

$$\begin{array}{r} - 18 \\ \hline 0 \end{array}$$

16 groups cleaned up the city park.

You can use partial quotients to divide. 10 and 6 are partial quotients. 16 is the quotient.



For **1–12**, use partial quotients to divide. You may use counters or draw pictures to help.

1. $4 \overline{)92}$

2. $2 \overline{)36}$

3. $5 \overline{)75}$

4. $3 \overline{)72}$

5. $6 \overline{)78}$

6. $4 \overline{)96}$

7. $7 \overline{)91}$

8. $3 \overline{)99}$

9. $3 \overline{)57}$

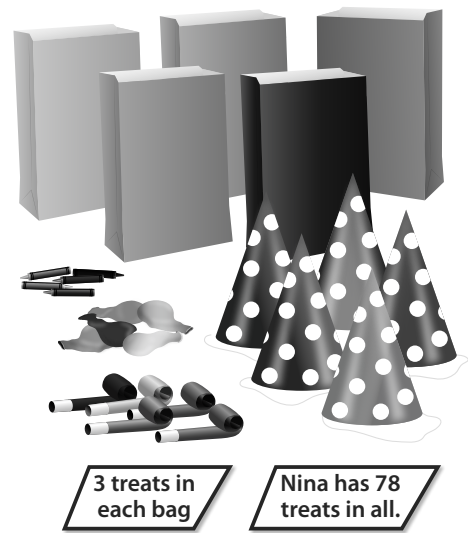
10. $5 \overline{)80}$

11. $4 \overline{)68}$

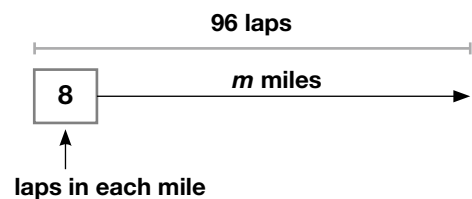
12. $6 \overline{)84}$



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



- 15. 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.

Assessment Practice

- 17.** Select all correct combinations of partial quotients which can be used to find $74 \div 2$. 4.NBT.2.6

- 10, 10, 10, 2
- 20, 10, 7
- 30, 2
- 30, 7
- 30, 10, 7

- 18.** Use the Distributive Property to find $95 \div 5$. Which is the missing number? 4.NBT.2.6

$$\begin{aligned} 95 \div 5 &= (50 + \square) \div 5 \\ &= (50 \div 5) + (\square \div 5) \\ &= 10 + 9 \\ &= 19 \end{aligned}$$

- (A) 5
- (B) 15
- (C) 35
- (D) 45