



## Additional Practice 5-6

### Use Partial Quotients to Divide: Greater Dividends

### Another Look!

A honeybee can travel 2,925 feet in 3 minutes. How many feet would that be each minute?

	900	70	5
3	2,700	210	15

$$\begin{array}{r}
 5 \\
 70 \\
 900 \\
 \hline
 3 \overline{)2,925} \\
 \underline{-2,700} \\
 225 \\
 \underline{-210} \\
 15 \\
 \underline{-15} \\
 0
 \end{array}$$

You can estimate and use partial quotients to divide.



The honeybee can travel 975 feet each minute.

For **1–16**, use partial quotients to divide.

1.  $9 \overline{)126}$

2.  $7 \overline{)474}$

3.  $2 \overline{)179}$

4.  $6 \overline{)237}$

5.  $4 \overline{)3,264}$

6.  $8 \overline{)3,349}$

7.  $3 \overline{)6,334}$

8.  $5 \overline{)8,248}$

9.  $6 \overline{)5,769}$

10.  $3 \overline{)441}$

11.  $7 \overline{)4,999}$

12.  $6 \overline{)4,272}$

13.  $3 \overline{)3,791}$

14.  $9 \overline{)756}$

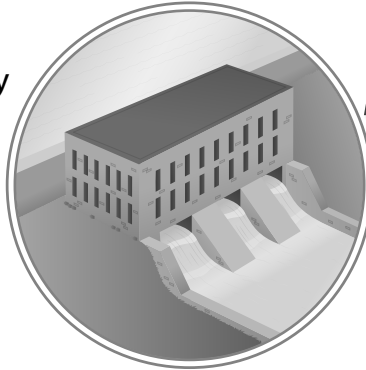
15.  $5 \overline{)4,271}$

16.  $4 \overline{)1,847}$



- 17. Algebra** Abigail is planning a 90-meter sack-relay race for field day. Each team member will hop 6 meters. How many members,  $m$ , does Abigail need on each team? Write and solve an equation.

- 18. enVision® STEM** The function of a hydroelectric plant is to change the energy from the motion of water into electricity. How long does it take the hydroelectric plant shown to produce 384-kilowatt hours of electricity?



A hydroelectric plant can produce 8 kilowatt hours of electricity each hour.

- 19. Critique Reasoning** Tell whether Miranda's or Jesse's reasoning is correct. Explain.

Miranda

$$\begin{aligned} 6,050 \div 5 &= (6,000 + 50) \div 5 \\ &= (6,000 \div 5) + (50 \div 5) \\ &= 1,200 + 10 \\ &= 1,210 \end{aligned}$$


Jesse

$$\begin{aligned} 6,050 \div 5 &= (6,000 + 50) \div (3+2) \\ &= (6,000 \div 3) + (50 \div 2) \\ &= 2,000 + 25 \\ &= 2,025 \end{aligned}$$

- 20.** Kelli signed up for 38 gymnastics lessons. Each lesson lasts for 2 hours. How many hours of lessons did Kelli sign up for?

- 21. Higher Order Thinking** How could you use the Distributive Property to find  $1,484 \div 7$ ?

 **Assessment Practice**

- 22.** Select all correct combinations of partial quotients and a remainder which can be used to find  $4,306 \div 9$ .  4.NBT.2.6

- 300, 100, 60, 2, R8
- 300, 100, 70, 8 R4
- 400, 60, 10, 8 R4
- 400, 60, 2 R 8
- 400, 70, 8, R4