

Another Look!

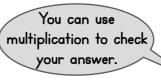
A baker made 312 bagels in one day. If he puts 12 bagels in each package, how many packages did he make that day?

Additional
Practice 5-4
Use Partial
Quotients to Divide

$$\begin{array}{r}
6 \\
20 \\
12)\overline{312} \\
-240 \\
72 \\
-72 \\
0$$
6 groups of $12 = 240$

$$\begin{array}{r}
72 \\
-72 \\
0$$
0 left over

Add the partial quotients: 20 + 6 = 26. So, the baker made 26 packages of bagels.





Leveled Practice In 1–13, use partial quotients to divide. Show your work.

$$30$$
 groups of 21 = 630

Add the partial quotients: 30 + 4 = 34.

So,
$$714 \div 21 = 34$$
.

Student work will vary.

- 14. Use the table. What is the total amount of electricity a computer, a television, and a heater use in 1 hour? Show your work.
 1.89 kilowatts; Find 0.09 + 0.3 + 1.5.
- **15. Number Sense** How many hours does it take for a light bulb to use as much electricity as a heater uses in 1 hour? **15 hours**

| 4 | Electricity Used | |
|-----|------------------|--------------------|
| DAT | Appliance | Kilowatts Per Hour |
| | Computer | 0.09 |
| | Heater | 1.5 |
| | Light bulb | 0.1 |
| | Television | 0.3 |

- **16.** The cost of each plane ticket for the Baltazar family's summer vacation is \$329. If there are 7 family members, what is the total cost of the plane tickets? \$2,303
- 17. Make Sense and Persevere Shannon biked in an endurance cycling race. She traveled 2,912 miles and biked about 95 miles each day. About how many days did it take her to complete the race?

 Sample answer: About 30 days

19. Higher Order Thinking How can you

- 18. Algebra Twelve buses bring a total of 420 people to The Alhambra in Granada, Spain. Each bus carries the same number of people. How many people are on each bus? Write and solve an equation to find p, the number of people on each bus.
 35 people are on each bus.
 Sample answer: 420 ÷ 12 = p; p = 35
- use partial quotients to find $684 \div 57$? Explain.

 Sample answer: I subtracted 10×57 from 684 and got 114. Then, I subtracted 2×57 from 114 and got 0. Then, I added the partial quotients: 10 + 2 = 12. So, $684 \div 57 = 12$.



Assessment Practice

- 20. Which expressions are equivalent to 28?
 - 980 ÷ 35
 - 480 ÷ 16
 - 1,400 ÷ 50
 - \bigcirc 625 ÷ 25
 - 1,680 ÷ 60

- 21. Which expressions are equivalent to 53?
 - 1,680 ÷ 40
 - 2,385 ÷ 45
 - 1,612 ÷ 62
 - 3,127 ÷ 59
 - 3,763 ÷ 71