Name _____

Partial Quotients

Divide. Use partial quotients. Write the remainder as a fraction.

25. $18\overline{)236}$

$$
\begin{array}{r}
18\overline{)236} \\
-180 \quad \leftarrow 10 \times 18 \quad \vdots \quad 10 \\
\hline
56 \\
-36 \quad \leftarrow 2 \times 18 \quad \vdots \quad 2 \\
\hline
20 \\
-18 \quad \leftarrow 1 \times 18 \quad \vdots \quad +1 \\
\hline
2 \qquad\qquad\qquad 13
\end{array}
$$

$236 \div 18$ is $13\frac{2}{18}$.

26. $36\overline{)540}$

27. $27\overline{)624}$

28. $9{,}514 \div 28$

29. $322 \div 14$

30. $62{,}715 \div 25$

Problem Solving · Real World

31. A factory processes 1,560 ounces of olive oil per hour. The oil is packaged into 24-ounce bottles. How many bottles does the factory fill in one hour?

_____

32. A pond at a hotel holds 14,274 gallons of water. The groundskeeper drains the pond at a rate of 78 gallons of water per hour. How long will it take to drain the pond?

_____

33. **WRITE** *Math* Explain how using partial quotients to divide is similar to using the Distributive Property to multiply.

_____

_____

_____

Lesson Check

34. Yvette has 336 eggs to put into cartons. She puts one dozen eggs into each carton. How many cartons does she fill?

35. Felicity mows a 2,450-square-foot yard in 15 minutes. How many square feet of the yard does she mow in one minute?

Spiral Review

36. Raul has 56 bouncy balls. He puts the balls into 4 green gift bags. If he puts the same number of balls into each bag, how many balls does he put into each green bag?

37. Mario uses 5 ounces of chicken stock to make one batch of soup. He has a total of 400 ounces of chicken stock. How many batches of soup can Mario make?

38. Michelle buys 13 bags of gravel for her fish aquarium. If each bag weighs 12 pounds, how many pounds of gravel did she buy?

39. What is the number 305,012 written in expanded notation?