Partial Quotients

Divide. Use partial quotients.

1. $18\overline{)236}$

$$18\overline{)236}$$
$$\underline{-180} \leftarrow 10 \times 18 \quad 10$$
$$56$$
$$\underline{-36} \leftarrow 2 \times 18 \quad 2$$
$$20$$
$$\underline{-18} \leftarrow 1 \times 18 \quad +1$$
$$2 \qquad\qquad 13$$

236 ÷ 18 is 13 r2.

2. $36\overline{)540}$

3. $27\overline{)624}$

4. $478 \div 16$

5. $418 \div 22$

6. $625 \div 25$

7. $514 \div 28$

8. $322 \div 14$

9. $715 \div 25$

Problem Solving REAL WORLD

10. 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?

11. A pond at a hotel holds 4,290 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?

_____

_____

Lesson Check (CC.5.NBT.6)

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

Ⓐ 20

Ⓑ 21

Ⓒ 27

Ⓓ 28

2. Ned mows a 450 square-foot garden in 15 minutes. How many square feet of the garden does he mow in one minute?

Ⓐ 3 square feet

Ⓑ 30 square feet

Ⓒ 435 square feet

Ⓓ 465 square feet

Spiral Review (CC.5.NBT.1, CC.5.NBT.5, CC.5.NBT.6)

3. Raul has 56 bouncy balls. He puts three times as many balls into red gift bags as he puts into green gift bags. If he puts the same number of balls into each bag, how many balls does he put into green bags? (Lesson 1.9)

Ⓐ 42

Ⓑ 19

Ⓒ 14

Ⓓ 12

4. Marcia uses 5 ounces of chicken stock to make one batch of soup. She has a total of 400 ounces of chicken stock. How many batches of soup can Marcia make? (Lesson 2.2)

Ⓐ 50

Ⓑ 80

Ⓒ 200

Ⓓ 2,000

5. Michelle buys 13 bags of gravel for her fish aquarium. If each bag weighs 12 pounds, how many pounds of gravel did she buy? (Lesson 1.7)

Ⓐ 156 pounds

Ⓑ 143 pounds

Ⓒ 130 pounds

Ⓓ 26 pounds

6. Which of the following represents 4,305,012 in expanded notation? (Lesson 1.2)

Ⓐ 400,000 + 30,000 + 5,000 + 12

Ⓑ 40,000 + 3,000 + 500 + 10 + 2

Ⓒ 4,000,000 + 300,000 + 5,000 + 100 + 2

Ⓓ 4,000,000 + 300,000 + 5,000 + 10 + 2