Estimate Quotients

Use compatible numbers to estimate the quotient.

1. $19.7 \div 3$

$$18 \div 3 = 6$$

2. $394.6 \div 9$

3. $308.3 \div 15$

Estimate the quotient.

4. $63.5 \div 5$

5. $57.8 \div 81$

6. $172.6 \div 39$

7. $43.6 \div 8$

8. $2.8 \div 6$

9. $467.6 \div 8$

10. $209.3 \div 48$

11. $737.5 \div 9$

12. $256.1 \div 82$

Problem Solving REAL WORLD

13. Taylor uses 645.6 gallons of water in 7 days. Suppose he uses the same amount of water each day. About how much water does Taylor use each day?

14. On a road trip, Sandy drives 368.7 miles. Her car uses a total of 18 gallons of gas. About how many miles per gallon does Sandy's car get?

Lesson Check (CC.5.NBT.7)

1. Terry bicycled 64.8 miles in 7 hours. Which is the best estimate of the average number of miles she bicycled each hour?

   (A) about 0.8 mile

   (B) about 0.9 mile

   (C) about 8 miles

   (D) about 9 miles

2. Which is the best estimate for the following quotient?

$$891.3 \div 28$$

   (A) about 3

   (B) about 4

   (C) about 30

   (D) about 40

Spiral Review (CC.5.NBT.2, CC.5.NBT.3b, CC.5.NBT.7, CC.5.NF.3)

3. An object that weighs 1 pound on Earth weighs 1.19 pounds on Neptune. Suppose a dog weighs 9 pounds on Earth. How much would the same dog weigh on Neptune? (Lesson 4.3)

   (A)   0.1071 pound

   (B)   1.071 pounds

   (C)   10.71 pounds

   (D)   107.1 pounds

4. A bookstore orders 200 books. The books are packaged in boxes that hold 24 books each. All the boxes the bookstore receives are full, except one. How many boxes does the bookstore receive? (Lesson 2.7)

   (A)   8

   (B)   9

   (C)   10

   (D)   11

5. Tara has $2,000 in her savings account. David has one-tenth as much as Tara in his savings account. How much does David have in his savings account? (Lesson 4.1)

   (A) $2

   (B) $20

   (C) $200

   (D) $20,000

6. Which of the following statements is true? (Lesson 3.3)

   (A) $7.63 > 7.629$

   (B) $5.134 > 5.14$

   (C) $8.23 < 8.230$

   (D) $4.079 = 4.790$