

## 5.NBT.B.7 Divide Decimals by Whole Numbers (Problems)

5.NBT.B.7: Add, subtract, multiply, and divide decimals to hundredths.

1. Divide.

- a.  $312.5 \div 5$
- b.  $216.9 \div 3$
- c.  $291.6 \div 12$
- d.  $134.72 \div 8$
- e.  $68.18 \div 7$

Answers:

- f.  $784.08 \div 9$
- g.  $2,763.2 \div 11$
- h.  $128.94 \div 7$
- i.  $5,052.9 \div 6$
- j.  $5,846.4 \div 12$

Answers:

2. A dog eats about 48.6 kilograms of food every month. How many kilograms of food does the dog eat each day?

Answer:

3. My mother paid \$117.54 for 900 grams of grapes. About how much did she pay for each gram of grapes?

Answer:

4. Sylvester rented a motorcycle. The deal was to pay a one-time rental fee of \$45.89, an insurance charge of \$25.67, and then \$2 per mile for driving the motorcycle. Upon returning the car, he paid a total of \$184.44. How many miles did he drive the motorcycle?

Answer:

5. Ulysses borrowed \$1,600.52 from his mother and \$145.78 from his brother. He promised to return the total amount in equal installment in 6 months. How much will he have to pay back each month?

Answer:

6. Isaac's electric bill for a year was \$745.68. How much is his monthly bill if he consumes a constant amount of electricity each month?

Answer:

7. In an amusement park, a seven-ride ticket costs \$36.05. How much does one ride cost?

- A. \$4.05      B. \$4.15      C. \$5.05      D. \$5.15

Answer:

8. True or False: "If  $57 \div 6 = 9.5$ , then  $57 \div 60$  will be equal to 9.05."

Answer:

## 5.NBT.B.7 Divide Decimals by Whole Numbers (Problems)

5.NBT.B.7: Add, subtract, multiply, and divide decimals to hundredths

### Answer Key

1. Divide.

- a.  $312.5 \div 5$
- b.  $216.9 \div 3$
- c.  $291.6 \div 12$
- d.  $134.72 \div 8$
- e.  $68.18 \div 7$

Answers:

**62.5**  
**72.3**  
**24.3**  
**16.84**  
**9.74**

- f.  $784.08 \div 9$
- g.  $2,763.2 \div 11$
- h.  $128.94 \div 7$
- i.  $5,052.9 \div 6$
- j.  $5,846.4 \div 12$

Answers:

**87.12**  
**251.2**  
**18.42**  
**842.15**  
**487.2**

2. A dog eats about 48.6 kilograms of food every month. How many kilograms of food does the dog eat each day?

Answer:

**1.62 kilograms**

3. My mother paid \$117.54 for 900 grams of grapes. About how much did she pay for each gram of grapes?

Answer:

**\$0.1306**

4. Sylvester rented a motorcycle. The deal was to pay a one-time rental fee of \$45.89, an insurance charge of \$25.67, and then \$2 per mile for driving the motorcycle. Upon returning the car, he paid a total of \$184.44. How many miles did he drive the motorcycle?

Answer:

**56.44 miles**

5. Ulysses borrowed \$1,600.52 from his mother and \$145.78 from his brother. He promised to return the total amount in equal installment in 6 months. How much will he have to pay back each month?

Answer:

**\$291.05**

6. Isaac's electric bill for a year was \$745.68. How much is his monthly bill if he consumes a constant amount of electricity each month?

Answer:

**\$62.14**

7. In an amusement park, a seven-ride ticket costs \$36.05. How much does one ride cost?

Answer:

**\$5.15**

- A. \$4.05      B. \$4.15      C. \$5.05      D. \$5.15

8. True or False: "If  $57 \div 6 = 9.5$ , then  $57 \div 60$  will be equal to 9.05."

Answer:

**False**