

Decimals QUESTIONS

Show an understanding of the information in this chapter by answering the questions and filling in the blanks below.

1. Calculate the decimal value of each of the following.

- $11.59 + 4.03$ _____
- $2008 + 6.72$ _____
- $56.9 - 7.4$ _____
- $45.338 - 18.45$ _____
- $467.003 - 224.34$ _____
- 67×8.3 _____
- $3.21 \times .06$ _____
- $45 \div 7.34$ _____
- 3.35 into 170 _____
- $\frac{11}{64}$ _____

2. Round the following to the specified place value.

- 0.9899 to hundredths _____
- 123.124 to tenths _____
- 56.04989 to thousandths _____

3. Convert the following decimals to fractions.

- 0.658 _____
- 8.44 _____
- 2.971" in thirty-seconds _____
- 28.987' in sixteenths _____

4. Convert the following as directed.

- 29% to a decimal _____
- $\frac{4}{64}$ to a percent _____
- 67% of 1028 _____

5. Write an equation and solve for each scenario.

- There are 17 offices to inspect in a commercial building. Each inspection takes 40 minutes. How many hours will the full inspection take?

- A drywall worker wants to order core board for a 15-story elevator shaft. Each floor uses 18.5 sheets. Calculate the number of boards needed. Add 10% of the total for waste.

- Three and three-eighths ($3\frac{3}{8}$) buckets of glue are used on a floor. A bucket holds 4.5 gallons. How many gallons of glue are used?

- A lot measures 63.41 feet. What is the measurement in feet, inches, and fractions of an inch? Answer to the nearest $\frac{1}{16}$ ".

- Twenty-eight percent (28%) of an employee's take-home pay goes for rent. He makes \$3,028.25 per month. How much is spent on rent?
