

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Decimal Operations Quiz 2 Homework Practice

**Divide. SHOW ALL WORK ON A SEPARATE SHEET OF PAPER!** For questions 1 & 2, use remainders. For questions 3 – 10, write all remainders using decimals. Round to the nearest hundredth if necessary.

1)  $1,859 \div 47 =$  \_\_\_\_\_

2)  $76,108 \div 413 =$  \_\_\_\_\_

3)  $852 \div 15 =$  \_\_\_\_\_

4)  $15.68 \div 32 =$  \_\_\_\_\_

5)  $4.9 \div 2.5 =$  \_\_\_\_\_

6)  $438.48 \div 5.22 =$  \_\_\_\_\_

**Solve. SHOW ALL WORK ON A SEPARATE SHEET OF PAPER!**

7) **ENTERTAINMENT** Frank, Gina, Judy, and Connie are splitting their dinner bill. After tip, the total is \$30.08. How much does each owe if they split the bill four ways?

8) **SCALE MODEL** Matt is making a scale model of a building. The model is 3.4 feet tall. The actual building is 41.48 feet tall. How many times smaller is the model than the actual building?

9) **BUSINESS** Katherine spends \$1,089.72 each month for rent and supplies to run her hair salon. If she charges \$18 for a haircut, how many haircuts must Katherine do to cover her monthly expenses? Round to the nearest whole number.

10) **COOKING** Yori has 14.25 cups of cupcake batter. If each cupcake uses 0.75 cup of batter, how many cupcakes can Yori make?

Name: Answer Key

Date: \_\_\_\_\_

## Decimal Operations Quiz 2 Homework Practice

**Divide. SHOW ALL WORK ON A SEPARATE SHEET OF PAPER!** For questions 1 & 2, use remainders. For questions 3 – 10, write all remainders using decimals. Round to the nearest hundredth if necessary.

1)  $1,859 \div 47 = \underline{39 \text{ R } 26}$

2)  $76,108 \div 413 = \underline{184 \text{ R } 116}$

3)  $852 \div 15 = \underline{56.8}$

4)  $15.68 \div 32 = \underline{0.49}$

5)  $4.9 \div 2.5 = \underline{1.96}$

6)  $438.48 \div 5.22 = \underline{84}$

**Solve. SHOW ALL WORK ON A SEPARATE SHEET OF PAPER!**

- 7) **ENTERTAINMENT** Frank, Gina, Judy, and Connie are splitting their dinner bill. After tip, the total is \$30.08. How much does each owe if they split the bill four ways?

$$30.08 \div 4 = \boxed{\$7.52}$$

- 8) **SCALE MODEL** Matt is making a scale model of a building. The model is 3.4 feet tall. The actual building is 41.48 feet tall. How many times smaller is the model than the actual building?

$$41.48 \div 3.4 = \boxed{12.2 \text{ times}}$$

- 9) **BUSINESS** Katherine spends \$1,089.72 each month for rent and supplies to run her hair salon. If she charges \$18 for a haircut, how many haircuts must Katherine do to cover her monthly expenses? Round to the nearest whole number.

$$1089.72 \div 18 = 60.54$$

$$\boxed{61 \text{ haircuts}}$$

- 10) **COOKING** Yori has 14.25 cups of cupcake batter. If each cupcake uses 0.75 cup of batter, how many cupcakes can Yori make?

$$14.25 \div 0.75 =$$

$$\boxed{19 \text{ cupcakes}}$$