



# Grade 4

## Topic: Fractions, Decimals, and Money

### Instructions

Convert between fractions, decimals, and money values where needed. Simplify answers when necessary. Show your work for each problem.

### Section 1: Converting Fractions to Decimals

Convert each fraction to a decimal.

1.  $\frac{1}{2} = \text{---}$
2.  $\frac{3}{4} = \text{---}$
3.  $\frac{13}{50} = \text{---}$
4.  $\frac{2}{3} = \text{---}$  (Round to 2 decimal places)
5.  $\frac{7}{9} = \text{---}$  (Round to 3 decimal places)

## Section 2: Converting Decimals to Fractions

Convert each decimal to a fraction and simplify if needed.

1.  $0.6 = \text{---}$
2.  $0.125 = \text{---}$
3.  $0.2 = \text{---}$
4.  $0.0625 = \text{---}$
5.  $0.8333... = \text{---}$  (Write as a fraction)

## Section 3: Fractions and Money

Solve the following money-related fraction problems.

1. A bag of flour costs \$2.50. Write this as an improper fraction in dollars.
2. If a pizza costs \$6.75, write this amount as a mixed number in dollars.
3. A store sells juice bottles for \$1.20 each. What is the fraction of a dollar for one bottle?
4. If a person spends \$4.80 on snacks, write this amount as a fraction in simplest form.
5. A cake recipe requires  $\frac{3}{4}$  cup of sugar. How much is this as a decimal?
6. A customer buys  $\frac{7}{10}$  of a gallon of milk. Write this as a decimal.
7. A shopkeeper gives  $\frac{1}{5}$  of a dollar as a discount. How much is this in cents?
8. A bus ticket costs \$3.60. Write this amount as a fraction in simplest form.
9. A student spends  $\frac{2}{3}$  of their \$15 allowance. How much money did they spend?

Visit Our Website: <https://mathaversity.com/>