



Grade 4

Topic: Fractions and Decimals

Instructions

Convert fractions to decimals and vice versa. Solve the problems carefully and simplify your answers where needed.

Section 1: Convert Fractions to Decimals

Convert the following fractions into decimal form.

1. $\frac{1}{2} = \text{---}$

2. $\frac{3}{4} = \text{---}$

3. $\frac{5}{8} = \text{---}$

4. $\frac{7}{10} = \text{---}$

5. $\frac{9}{16} = \text{---}$

Section 2: Convert Decimals to Fractions

Write each decimal as a fraction in simplest form.

1. $0.5 = \text{---}$
2. $0.75 = \text{---}$
3. $0.125 = \text{---}$
4. $0.2 = \text{---}$
5. $0.4 = \text{---}$

Section 3: Comparing Fractions and Decimals

Use greater, smaller, or $=$ to compare the following.

1. $0.4 \text{ --- } \frac{3}{8}$
2. $0.25 \text{ --- } \frac{1}{5}$
3. $0.66 \text{ --- } \frac{2}{3}$
4. $\frac{5}{6} \text{ --- } 0.85$
5. $0.125 \text{ --- } \frac{1}{8}$

Section 4: Word Problems

Solve and write your answer as a decimal or fraction.

1. A pizza is divided into 8 slices. If Tom eats 5 slices, what fraction of the pizza does he eat? Convert this fraction into a decimal.
2. Lisa ran 2.5 kilometers. Write this as a fraction in simplest form.
3. A recipe calls for 0.75 cups of sugar. Express this as a fraction.
4. A tank holds 1.6 liters of water. Convert this into a fraction.

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