

Fractions, Decimals, Percentages, and Converting Between Them.

Objective: To be able to convert between fractions, decimals, and percentages.

Warm-up:

1. $5 \div 2 =$
2. Write $\frac{5}{2}$ as a decimal.
3. $11 \div 4 =$
4. Write $\frac{11}{4}$ as a decimal.
5. $-1.25 \times 4 =$
6. Write -1.25 as a fraction.
7. $12 \times 4 =$
8. $19 \times 4 =$
9. Simplify $\frac{76}{48}$.

Theory - Simplifying Fractions:

Simplify $\frac{-18}{60}$.

Simplify $\frac{364}{12}$.

Practice:

1. Simplify $\frac{-18}{42}$.
2. Simplify $\frac{60}{45}$.
3. Simplify $\frac{165}{363}$.

Theory - Decimals to Fractions:

Express 0.75 as a simplified fraction.

Express -1.96 as a simplified fraction.

1. Express 2.4 as a simplified fraction.
2. Express -0.18 as a simplified fraction.
3. Express 0.625 as a simplified fraction.

Theory - Fractions to Decimals:

Write $\frac{3}{24}$ as a decimal.

Write $\frac{-25}{15}$ as a decimal.

Practie:

1. Write $\frac{121}{5}$ as a decimal.
2. Write $\frac{-17}{4}$ as a decimal.
3. Write $\frac{2}{6}$ as a decimal.

Theory - Percentages:

Write 0.17 as a percentage.

Write 2.8956 as a percentage.

Write 104% as a decimal.

Write -18.912% as a decimal.

Practice:

1. Write 41.2% as a decimal.
2. Write -9.176 as a percentage.
3. Write $\frac{2}{5}$ first as a decimal and then as a percentage.
4. Write 11.4% first as a decimal and then as a simplified fraction.