

Fraction, Decimal and Percentage Conversion

Year 7 · Number · y7-fraction-simplify

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. Write $\frac{3}{8}$ as a decimal.

2. Work out $\frac{2}{3} \times \frac{3}{5}$.

3. Write 0.65 as a percentage.

4. Write $\frac{7}{20}$ as a percentage.

5. Work out $\frac{3}{4} \div \frac{1}{2}$.

6. A recipe uses $\frac{2}{3}$ of a cup of sugar. Which calculation finds the sugar needed for half the recipe: $\frac{2}{3} \times \frac{1}{2}$ or $\frac{2}{3} \div \frac{1}{2}$?

7. Convert a fraction to a decimal by dividing the numerator by the denominator. Write $\frac{5}{8}$ as a decimal.

8. To convert a decimal to a percentage, multiply by 100. Write 0.08 as a percentage.

Challenge

1. Work out $2\frac{1}{3} \times 1\frac{1}{2}$. Convert to improper fractions first.

2. Order these from smallest to largest: 0.6, $\frac{3}{5}$, 58%.