

**YEAR 6**

Fractions, Decimals and Percentages

Three sections. A fraction, a decimal and a percentage are three ways of writing the same thing, and the SATs papers move between them constantly. Give every fraction in its simplest form.

Name: _____

Date: _____

Score: _____

A. Converting

A fraction is a division. Three quarters is 3 divided by 4.

① Write $\frac{3}{4}$ as a decimal.

② Write $\frac{2}{5}$ as a decimal.

③ Write $\frac{7}{10}$ as a decimal.

④ Write $\frac{1}{8}$ as a decimal.

⑤ Write $\frac{3}{8}$ as a decimal.

⑥ Write 0.25 as a fraction in its simplest form.

⑦ Write 0.6 as a fraction in its simplest form.

⑧ Write 0.35 as a fraction in its simplest form.

B. Calculating with fractions

Common denominator to add or subtract. Multiply across the top and the bottom to multiply.

9 Work out $\frac{1}{2} + \frac{1}{3}$, in its simplest form.

10 Work out $\frac{3}{4} + \frac{1}{6}$, in its simplest form.

11 Work out $\frac{2}{5} + \frac{3}{10}$, in its simplest form.

12 Work out $\frac{3}{4} - \frac{1}{3}$, in its simplest form.

13 Work out $\frac{5}{6} - \frac{1}{4}$, in its simplest form.

14 Work out $\frac{2}{3} \times \frac{3}{5}$, in its simplest form.

15 Work out $\frac{3}{4} \times \frac{2}{9}$, in its simplest form.

16 Work out $\frac{3}{4} \div 3$, in its simplest form.

C. Percentages

10% is a tenth, 1% is a hundredth, and everything else is built from those two.

17 Find 15% of 240.

18 Find 35% of 80.

19 Find 12% of 450.

20 Find 75% of 64.

21 A coat costs £60.00 and is reduced by 20%. What is the new price?

22 A number increased by 25% is 75. What was the number?

23 Which is larger, $\frac{3}{5}$ or 0.62? Show how you know.