



Fractions

Gold

These Gold questions combine fraction skills with reasoning and multi-step problems.

Name: _____ Date: _____

Section A: Fraction Reasoning

1. A tank is $\frac{2}{5}$ full. If 30 litres would fill it completely, how many litres are in the tank now?

2. A pizza is shared between friends. If each person gets $\frac{1}{6}$ and there are 24 slices in total, how many people share the pizza?

3. Work out $2\frac{3}{4} - 1\frac{1}{2}$. Give your answer as a mixed number.

4. A ribbon is cut into thirds, then one third is cut into quarters. What fraction of the original ribbon is one of these smaller pieces?

5. If $\frac{3}{5}$ of a class of 30 pupils are girls, how many boys are there?

Section B: Multi-Step Problems

1. A recipe for 6 people uses $\frac{2}{3}$ of a bag of sugar. How much of the bag is needed for 9 people?

2. A charity raises £450. If $\frac{2}{5}$ goes to one cause and the rest is split equally between 4 others, how much does each of the 4 receive?

3. Which is bigger: $\frac{3}{4}$ of 60, or $\frac{5}{8}$ of 80? Show your working.

4. A jug holds 2 litres. If $\frac{3}{8}$ is poured out, how many millilitres are left?

5. A number is multiplied by $\frac{3}{4}$ to give 30. What was the original number?

