



Multiplication, Division & Fractions

Gold

These Gold questions require combining multiplication, division and fractions to solve genuine multi-step problems.

Name: _____ Date: _____

Section A: Multi-Step Problems

1. A baker makes 144 buns and puts them into boxes of 8. How many boxes does she need?

2. A school has 9 classes of 27 pupils. Pupils are then split into groups of 3 for a project. How many groups in total?

3. A journey of 84 miles is split into 7 equal stages. How many miles is each stage?

4. If 1 packet of stickers has 12 stickers, how many packets are needed for 150 stickers, and how many stickers are left over?

5. A number multiplied by 6 gives 90. What is the number?

Section B: Fractions in Context

1. A recipe for 12 people needs $\frac{3}{4}$ of a bag of sugar. How much sugar is needed for 24 people?

2. Find $\frac{5}{6}$ of 42.

3. A tank is $\frac{3}{4}$ full. If it holds 80 litres when full, how many litres are in the tank now?

4. Which is smaller: $\frac{5}{6}$ or $\frac{7}{8}$? Explain how you know.

5. A ribbon is cut into 5 equal pieces. Two pieces are used. What fraction of the ribbon is left?

