Fraction problems

Solve fraction problems to calculate quantities including non-unit fractions

Challenge 1

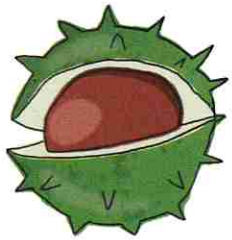
1 Harvey orders a small milkshake. It holds 300 ml. He drinks a $\frac{1}{3}$ of it but then his brother drinks the rest. How much did Harvey drink?

2 For lunch, the cook is making 200 pizzas. Unfortunately, she burns $\frac{1}{5}$ of them. How many will she be able to serve up?

3 Harvey needs to spend 40 minutes doing his homework. He has spent $\frac{1}{8}$ of the time working out what he needs to do. How much time does he have left?

Challenge 2

1 Mr Smith is 160 cm tall. His brother is $\frac{7}{8}$ as tall as him. How tall is his brother?



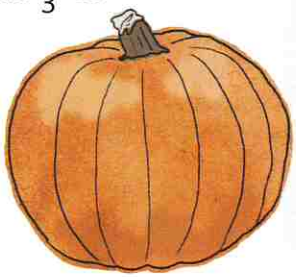
2 Skateboards cost £81 in one shop. In another shop they are only $\frac{7}{9}$ of the price. How much do they cost there?

3 Harvey collects 256 conkers. He loses $\frac{3}{8}$ of them on his way home. How many does he have left?

4 A café sells milkshakes in two sizes, small and large. The small milkshake is 360 ml. The large milkshake is $\frac{2}{3}$ more. What is the size of the large milkshake?

Challenge 3

1 In the café, Harvey and his friend buy a small and a large milkshake. Harvey has drunk $\frac{3}{4}$ of his 360 ml shake and his friend has drunk $\frac{2}{3}$ of his 480 ml shake. Who has drunk the most?



2 Mr Smith is growing an enormous pumpkin. He weighs it every week. Last week it weighed 112 kg. This week it is $\frac{4}{7}$ heavier. What does it weigh this week?

3 When the local football team last played at home, the stadium was full. It can hold 4000 fans. $\frac{7}{10}$ of the spectators were the home fans and the rest were away fans. How many fans came to support the home team?