

Use common factors to simplify fractions

- 1 Olivia's teacher asked her to simplify the fraction $\frac{6}{8}$. What common factor could she use to do that?
- 2 Simplify $\frac{6}{9}$. What common factor did you use?
- 3 Write $\frac{14}{16}$ in its simplest form.
- 4 Mr Naveed writes down the fraction $\frac{10}{14}$ on the whiteboard. He asks his class to write the fraction in its simplest form. What should their answer be?
- 5 Aisha's and Tariq's favourite dessert is apple pie. Tariq eats $\frac{4}{6}$ of a pie and Aisha eats $\frac{1}{3}$. Who has eaten more? Explain how you worked out the answer.
- 6 Serenity collects buttons. She has 36 altogether and 6 are blue. What fraction of Serenity's buttons are blue? Give your answer in its simplest form.
- 7 Gabriella ran $\frac{1}{3}$ of the track and Emily ran $\frac{16}{24}$ of the track. Work out who ran further by simplifying one of the fractions. Explain your answer.
- 8 49 out of 84 packets of crisps in a box are plain. What fraction of the box are plain? Give your answer in its simplest form.
- 9 264 people out of 512 adults were women. What fraction of the total were men? Give your answer in its simplest form.