

Maths Resources

Monday

- 1 Asha'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 Bisma's and Max's favourite dessert is apple pie. Bisma eats $\frac{4}{6}$ of a pie and Max eats $\frac{1}{3}$. Who has eaten more? Explain how you worked out the answer.

Tuesday

Compare and order fractions, including fractions greater than 1

- 1 William ate **three eighths** of a cake and Max ate **one half**. Who ate more?

- 2 Sufyan and Scarlett played crazy golf. Sufyan won $\frac{5}{12}$ of the holes and Scarlett won $\frac{1}{3}$. Who has won more holes?

- 3 Mrs Bramble used **eight ninths** of a bag of flour and $1\frac{2}{6}$ bags of sugar to make her cakes. The bags of flour and the bags of sugar were the same size. Which ingredient did she use more of?

- 4 Which fraction is larger: $\frac{5}{3}$ or $\frac{14}{9}$?

- 5 Three friends are eating a pizza each. Scarlett eats $\frac{3}{4}$, Max eats $\frac{10}{12}$ and Bisma has $\frac{5}{8}$ of her pizza. Who eats the most and who eats the least amount of pizza?

Wednesday

Add fractions with different denominators, using the concept of equivalent fractions

- 1 Bisma adds $\frac{3}{4}$ and $\frac{7}{8}$. What should her answer be?

- 2 Max eats $\frac{1}{5}$ of his grapes at break time. He then eats another $\frac{3}{10}$ at lunch. What fraction of his grapes has he eaten?

- 3 William is trying to work out what $\frac{3}{7}$ add **six fourteenths** would be. What should his answer be?

- 4 Sufyan eats $\frac{3}{8}$ of his pizza for his evening meal. He eats another $\frac{7}{16}$ the next day for his lunch. How much of the pizza has he eaten altogether?

- 5 Bisma walks her dog $\frac{5}{12}$ of the way around the lake. She then walks a further $\frac{1}{4}$. What fraction of the way around the lake has she walked? Give your answer in its simplest form.

Thursday

Add or subtract fractions with different denominators, using the concept of equivalent fractions

- 1 Bisma adds $\frac{1}{2}$ to $\frac{1}{6}$. What should her answer be?

- 2 $\frac{7}{10}$ of the class are in the classroom. $\frac{1}{5}$ are on the playground. How much more of the class are in the classroom than on the playground? Give your answer as a fraction in its simplest form.

- 3 Max is trying to work out what $\frac{1}{6}$ add **two thirds** is. What fraction should he write?

- 4 $\frac{7}{9}$ of the bean bags are in the PE cupboard. $\frac{3}{18}$ are on the hall floor. What is the difference between the fraction of bean bags in the cupboard and the fraction on the floor?

- 5 Sufyan jogs around $\frac{3}{8}$ of the park. Asha jogs around $\frac{1}{6}$ of the park. Who jogs further? By what fraction?