# Calculating with fractions

Year 9 | Key Stage 3 | 12 questions, 36 marks

**KS3 Maths topic practice**

Scan for the solutions

**Name:** _____ **Date:** _____ **Score:** _____ **/ 36**

**1** Write these fractions in order of size, starting with the smallest.

$\frac{2}{3}$ $\frac{3}{4}$ $\frac{7}{12}$ $\frac{5}{6}$

(2 marks)

Answer _____

**2** a. One of these fractions is **not** equivalent to $\frac{3}{5}$

$\frac{6}{10}$ $\frac{9}{15}$ $\frac{12}{25}$ $\frac{15}{25}$

Write down this fraction.

b. Work out $\frac{2}{5} + \frac{1}{3}$

(3 marks)

Answer _____

**3** a. Write $\frac{17}{5}$ as a mixed number.

b. Write $4\frac{3}{8}$ as an improper fraction.

c. Write these numbers in order of size, starting with the smallest.

$2\frac{1}{3}$ $\frac{11}{4}$ $2\frac{5}{6}$ $\frac{5}{2}$

(3 marks)

Answer _____


Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

**4** Work out $\frac{4}{9} \times \frac{3}{10}$

Give your answer as a fraction in its simplest form.

(2 marks)

Answer _____

**5** a. Work out $\frac{3}{5}$ of 2 km. Give your answer in metres.

b. Work out $\frac{5}{12}$ of an hour. Give your answer in minutes.

c. Sana has a 2 kg bag of flour. She uses $\frac{3}{8}$ of the flour to bake bread. How many grams of flour are left in the bag?

(3 marks)

Answer _____

**6** Work out $4\frac{2}{5} - 1\frac{3}{4}$

Give your answer as a mixed number in its simplest form.

(3 marks)

Answer _____

**7** Work out each of these. Give each answer in its simplest form.

a. $12 \times \frac{3}{4}$

b. $\frac{5}{6} \times \frac{9}{10}$

c. $1\frac{3}{5} \times 3\frac{1}{3}$

(3 marks)

Answer _____


Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

**8**

a. Work out $5 \div \frac{1}{3}$

b. Work out $6 \div \frac{3}{4}$

c. A jug holds 4 litres of squash. Each cup holds $\frac{2}{5}$ of a litre. How many cups can be filled from the jug?

(3 marks)

Answer _____

**9**

Work out each of these. Give each answer in its simplest form.

a. $\frac{4}{5} \div 2$

b. $\frac{3}{7} \div 6$

c. $\frac{5}{8} \div \frac{15}{16}$

(3 marks)

Answer _____

**10**

Work out $3\frac{1}{3} \div 2\frac{1}{2}$

Give your answer as a mixed number in its simplest form.

(3 marks)

Answer _____


Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.

**11** Amir and Beth share a prize of £360.

Amir gets $\frac{2}{5}$ of the prize. Beth gets the rest.

Beth gives $\frac{1}{4}$ of her share to charity.

Work out how much money Beth keeps.

(4 marks)

Answer _____

**12** Kofi gets his pocket money.

He spends $\frac{1}{4}$ of it on a computer game.

He spends $\frac{2}{5}$ of it on snacks.

He has £7 left.

How much pocket money did Kofi get?

(4 marks)

Answer _____

End of questions | Total 36 marks


Free for classroom and home use: print, photocopy and share. Not for resale or re-hosting.