

Q1 june 2017

8 (a) Work out $\frac{5}{8} \times \frac{3}{4}$

.....
(1)

(b) Work out $\frac{2}{3} - \frac{1}{4}$

.....
(2)

(Total for Question 8 is 3 marks)

Q2 june 2018

4 Here is a list of four fractions.

$$\frac{4}{16}$$

$$\frac{2}{8}$$

$$\frac{15}{60}$$

$$\frac{3}{9}$$

One of these fractions is **not** equivalent to $\frac{1}{4}$

Write down this fraction.

.....
(Total for Question 4 is 1 mark)

Q3 june 2018

19 (a) Work out $2\frac{1}{7} + 1\frac{1}{4}$

.....
(2)

(b) Work out $1\frac{1}{5} \div \frac{3}{4}$

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

.....
(2)

Q4 june 2019

2 Write 0.73 as a percentage.

..... %

.....
(Total for Question 2 is 1 mark)

Q5 june 2019

- 8 Write the following fractions in order of size.
Start with the smallest fraction.

$$\frac{1}{3}$$

$$\frac{3}{4}$$

$$\frac{1}{4}$$

$$\frac{7}{12}$$

$$\frac{1}{2}$$

(Total for Question 8 is 2 marks)

14 (a) Work out $\frac{1}{5}$ of 70

.....
(1)

Fiona has to work out the exact value of $48 \div \frac{1}{2}$
She writes

$$48 \div \frac{1}{2} = 24$$

Fiona's reason is,

“There are 2 halves in 1, so there will be 24 halves in 48”

(b) Explain what is wrong with Fiona's reason.

.....
.....
.....
(1)

(Total for Question 14 is 2 marks)

19 (a) Work out $\frac{2}{3} - \frac{1}{5}$

.....
(2)

(b) Work out $\frac{2}{3} \times \frac{3}{4}$

Give your answer as a fraction in its simplest form.

.....
(2)

10 Jenny has 12 marbles.

$\frac{1}{4}$ of these 12 marbles are large.

The rest of these 12 marbles are small.

Each large marble has a weight of 70 grams.

Each small marble has a weight of 50 grams.

Work out the total weight of the 12 marbles.

..... grams

(Total for Question 10 is 4 marks)

21 Show that

$$2\frac{1}{3} \times 3\frac{3}{4} = 8\frac{3}{4}$$

(Total for Question 21 is 3 marks)

Q10 june 2022

12 (a) Work out $\frac{5}{12} + \frac{1}{6}$

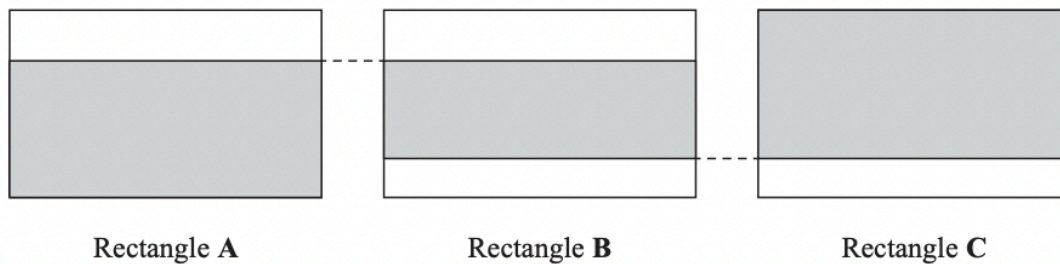
.....
(2)

(b) Work out $\frac{3}{10} \times \frac{5}{8}$

Give your answer as a fraction in its simplest form.

.....
(2)

20 The diagram shows three identical rectangles **A**, **B** and **C**.



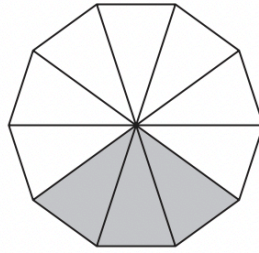
$\frac{5}{8}$ of rectangle **A** is shaded.

$\frac{9}{11}$ of rectangle **C** is shaded.

Work out the fraction of rectangle **B** that is shaded.

(Total for Question 20 is 3 marks)

2 What fraction of this shape is shaded?



(Total for Question 2 is 1 mark)

14 Last week, 73% of the tickets sold at a cinema were adult tickets.

(a) What percentage of the tickets sold were **not** adult tickets?

..... %
(1)

Some people watched a film at the cinema.

number of adults : number of children = 2 : 5

(b) What fraction of these people were adults?

.....
(1)

On Friday,

500 people watched a film at the cinema.

70% of these people were children.

On Saturday,

720 people watched the film at the cinema.

$\frac{5}{8}$ of these people were children.

Kasim thinks more children watched the film on Friday than on Saturday.

(c) Is Kasim correct?

You must show how you get your answer.

(3)

(Total for Question 14 is 5 marks)

Q14 june 2023

15 Work out $\frac{6}{7} \times \frac{5}{12}$

Give your answer as a fraction in its simplest form.

(Total for Question 15 is 2 marks)

Q15 june 2023

21 Work out $7\frac{3}{8} - 2\frac{1}{2}$

Give your answer as a mixed number.

(Total for Question 21 is 3 marks)

Q16 june 2024

21 (a) Work out $3\frac{4}{5} - 1\frac{2}{3}$

(2)

Kevin was asked to work out $2\frac{1}{3} \times \frac{5}{8}$

Here is his working and his answer.

$$\begin{aligned} 2\frac{1}{3} \times \frac{5}{8} &= \frac{7}{3} \times \frac{5}{8} \\ &= \frac{35}{24} \\ &= 1\frac{9}{24} \end{aligned}$$

Kevin's answer is wrong.

(b) What mistake has Kevin made?

(1)

(Total for Question 21 is 3 marks)

14 Here are two fractions.

$$\frac{7}{5}$$

$$\frac{5}{7}$$

Work out which of the fractions is closer to 1
You must show all your working.

(Total for Question 14 is 3 marks)

Q18 Nov 2017

22 (a) Work out $\frac{2}{5} + \frac{1}{4}$

.....
(2)

Q19 Nov 2018

6 Sue has 2 cats.

Each cat eats $\frac{1}{4}$ of a tin of cat food each day.

Sue buys 8 tins of cat food.

Has Sue bought enough cat food to feed her 2 cats for 14 days?

You must show how you get your answer.

(Total for Question 6 is 3 marks)

11 Here are some fractions.

$$\frac{9}{12} \quad \frac{6}{8} \quad \frac{18}{24} \quad \frac{10}{16} \quad \frac{15}{20}$$

One of these fractions is **not** equivalent to $\frac{3}{4}$

(a) Which fraction?

(1)

(1)

(b) Work out $\frac{1}{12} + \frac{5}{6}$

(2)

Q21 Nov 2019

4 Write the fraction $\frac{28}{70}$ in its simplest form.

(Total for Question 4 is 1 mark)

Q22 Nov 2019

22 Work out $1\frac{3}{4} \times 1\frac{1}{3}$

Give your answer as a mixed number.

(Total for Question 22 is 3 marks)

Q23 Nov 2020

10 Jenny has 12 marbles.

$\frac{1}{4}$ of these 12 marbles are large.

The rest of these 12 marbles are small.

Each large marble has a weight of 70 grams.

Each small marble has a weight of 50 grams.

Work out the total weight of the 12 marbles.

..... grams

(Total for Question 10 is 4 marks)

21 Show that

$$2\frac{1}{3} \times 3\frac{3}{4} = 8\frac{3}{4}$$

(Total for Question 21 is 3 marks)

Q25 Nov 2021

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

Give your answer as a mixed number.

.....
(Total for Question 22 is 3 marks)

20 (a) Work out $1\frac{3}{5} + 2\frac{1}{4}$

Give your answer as a mixed number.

(b) Show that $2\frac{2}{3} \div 6 = \frac{4}{9}$

(2)

(2)

5 Work out $\frac{1}{5}$ of 300

(Total for Question 5 is 1 mark)

Q31 Nov 2023

17 Work out $\frac{3}{5} \div \frac{1}{6}$

Give your answer as a mixed number.

(Total for Question 17 is 3 marks)

Q32 Nov 2024

20 (a) Work out $3\frac{1}{2} - 1\frac{1}{6}$

Give your answer as a mixed number.

(b) Show that $5\frac{1}{4} \div 2\frac{1}{3} = 2\frac{1}{4}$

(3)