

Fractions

Arithmetic

June 2022 Paper 2

2 Write a fraction in the box to make the calculation correct.

$$1 - \frac{3}{10} = \boxed{\text{.....}}$$

(Total for Question 2 is 1 mark)

June 2022 Paper 1

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)

(Total for Question 12 is 4 marks)

June 2023 Paper 1

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)

November 2023 Paper 1

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

Give your answer as a mixed number.

.....
(Total for Question 17 is 3 marks)

November 2024 Paper 1

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

Give your answer as a mixed number.

.....
(2)

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

(3)

(Total for Question 20 is 5 marks)

November 2022 Paper 1

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

Give your answer as a mixed number.

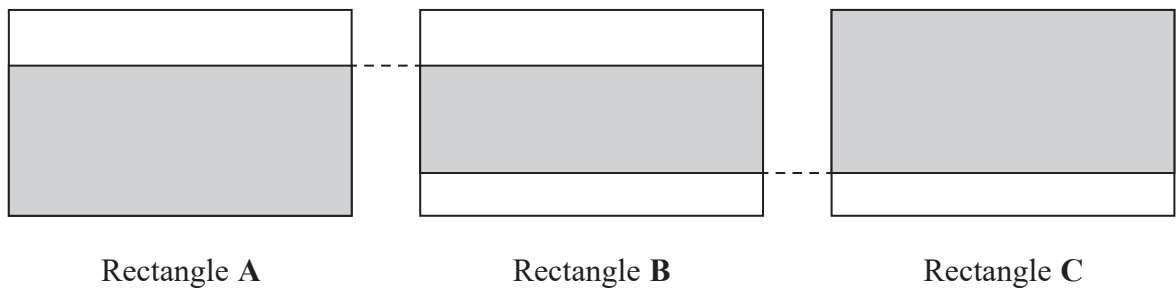
.....
(2)

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

(2)

(Total for Question 20 is 4 marks)

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)

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)

June 2023 Paper 1

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)

21 Show that

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

(Total for Question 21 is 3 marks)

November 2021 Paper 1

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)
