

Fractions Past Paper Questions



Q1.

(a) Work out $\frac{2}{7} + \frac{1}{5}$

.....
(2)

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

.....
(2)

(Total for question = 4 marks)

Q2.

Work out $\frac{1}{3} + \frac{5}{9}$

.....
(Total for question = 2 marks)

Q3.

Work out $\frac{3}{8} + \frac{1}{2}$

.....
(Total for Question is 2 marks)



Q4.

Lethna worked out $\frac{2}{5} + \frac{1}{2}$

She wrote:

$$\frac{2}{5} + \frac{1}{2} = \frac{2}{10} + \frac{1}{10} = \frac{3}{10}$$

The answer of $\frac{3}{10}$ is wrong.

(a) Describe one mistake that Lethna made.

.....
.....

(1)

Dave worked out $1\frac{1}{2} \times 5\frac{1}{3}$

He wrote:

$$1 \times 5 = 5 \quad \text{and} \quad \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$
$$\text{so } 1\frac{1}{2} \times 5\frac{1}{3} = 5\frac{1}{6}$$

The answer of $5\frac{1}{6}$ is wrong.

(b) Describe one mistake that Dave made.

.....
.....

(1)

(Total for question is 2 marks)



Q5.

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

.....
(2)

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

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

.....
(2)

(Total for question = 4 marks)

Q6.

(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)

(Total for question = 4 marks)



Q7.

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

Give your answer as a mixed number.

.....

(Total for question = 3 marks)

Q8.

Find the number that is exactly halfway between $\frac{1}{10}$ and $\frac{3}{5}$

.....

(Total for question = 2 marks)

Q9.

Show that

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

(Total for question = 3 marks)



Q10.

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

Give your answer as a mixed number.

(Total for question = 3 marks)

Q11.

(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.

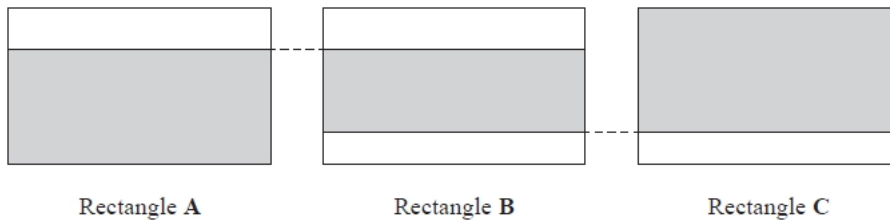
.....
(2)

(Total for question = 4 marks)



Q12.

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 = 3 marks)

Q13.

* Here are two fractions.

$$\frac{2}{3} \quad \frac{7}{8}$$

Which of these fractions has a value closer to $\frac{3}{4}$?

You must show clearly how you get your answer.

(Total for Question is 3 marks)