

Fractions

ANSWERS

No calculator | 30 minutes | Total marks: 26

Name Class

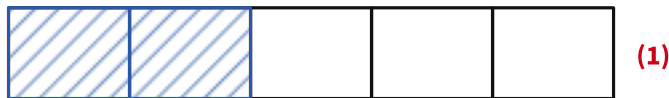
- 1 (a) What fraction of this shape is shaded?



Answer $\frac{3}{8}$ (1)

[1 mark]

- (b) Shade $\frac{2}{5}$ of this shape.



[1 mark]

2

- (a) Complete the equivalent fraction. $\frac{1}{2} = \frac{\boxed{4}}{8}$ (1)

[1 mark]

- (b) Complete the equivalent fraction. $\frac{2}{3} = \frac{\boxed{8}}{12}$ (1)

[1 mark]

- (c) Write $\frac{6}{10}$ in its simplest form.

Answer $\frac{3}{5}$ (1)

[1 mark]

- (d) Write $\frac{12}{16}$ in its simplest form.

Answer $\frac{3}{4}$ (1)

[1 mark]

3 Which fraction is bigger, $\frac{2}{3}$ or $\frac{3}{5}$?

You **must** show your working.

$$\frac{10}{15} \text{ and } \frac{9}{15} \text{ (1)}$$

Answer $\frac{2}{3}$ (1) [2 marks]

4 Write each fraction as a decimal.

(a) $\frac{1}{4}$

Answer 0.25 (1) [1 mark]

(b) $\frac{7}{10}$

Answer 0.7 (1) [1 mark]

(c) $\frac{3}{5}$

Answer 0.6 (1) [1 mark]

5 (a) Write $\frac{7}{2}$ as a mixed number.

Answer $3\frac{1}{2}$ (1) [1 mark]

(b) Write $1\frac{3}{4}$ as an improper fraction.

Answer $\frac{7}{4}$ (1) [1 mark]

6

Work out

(a) $\frac{1}{3}$ of 24

Answer 8 (1)

[1 mark]

(b) $\frac{3}{4}$ of 20

$20 \div 4 = 5$ (1)

Answer 15 (1)

[2 marks]

(c) $\frac{2}{5}$ of £35

$35 \div 5 = 7$ (1)

Answer £ 14 (1)

[2 marks]

7

Work out

(a) $\frac{2}{7} + \frac{3}{7}$

Answer $\frac{5}{7}$ (1)

[1 mark]

(b) $\frac{1}{2} + \frac{1}{4}$

$\frac{2}{4} + \frac{1}{4}$ (1)

Answer $\frac{3}{4}$ (1)

[2 marks]

(c) $\frac{2}{3} - \frac{1}{6}$

$\frac{4}{6} - \frac{1}{6}$ (1)

Answer $\frac{3}{6}$ or $\frac{1}{2}$ (1)

[2 marks]

8

Work out

(a) $\frac{1}{2} \times \frac{3}{5}$

Answer $\frac{3}{10}$ (1)

[1 mark]

(b) $3 \times \frac{2}{7}$

Answer $\frac{6}{7}$ (1)

[1 mark]

(c) $\frac{1}{2} \div 3$

Answer $\frac{1}{6}$ (1)

[1 mark]

Question	Topic	RAG
1	I can read and shade fractions of a shape	
2	I can find equivalent fractions and simplify	
3	I can compare fractions	
4	I can change a fraction to a decimal	
5	I can change between mixed numbers and improper fractions	
6	I can find a fraction of an amount	
7	I can add and subtract fractions	
8	I can multiply and divide fractions	