

Fractions, Decimals and Percentages 1

ANSWERS

No calculator | 30 minutes | Total marks: 30

Name Class

1 Work out

(a) 0.4×0.3

Answer 0.12 (1) [1 mark]

(b) 2.5×1.2

$25 \times 12 = 300$ (1)

Answer 3 (1) [2 marks]

(c) $13.5 \div 5$

$135 \div 5 = 27$ (1)

Answer 2.7 (1) [2 marks]

2 Write 18 as a fraction of 45

Give your answer in its simplest form.

$\frac{18}{45}$ (1)

Answer $\frac{2}{5}$ (1) [2 marks]

3 Write these fractions in order of size. Start with the smallest.

$\frac{2}{3}$ $\frac{5}{8}$ $\frac{7}{12}$
 $\frac{16}{24}$ $\frac{15}{24}$ $\frac{14}{24}$ (1)

Answer $\frac{7}{12}, \frac{5}{8}, \frac{2}{3}$ (1) [2 marks]

4

Work out

Give each answer in its simplest form.

(a) $\frac{1}{2} + \frac{3}{8}$

$$\frac{4}{8} + \frac{3}{8} \text{ (1)}$$

Answer $\frac{7}{8} \text{ (1)}$

[2 marks]

(b) $\frac{5}{6} - \frac{1}{3}$

$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6} \text{ (1)}$$

Answer $\frac{1}{2} \text{ (1)}$

[2 marks]

(c) $\frac{2}{3} + \frac{1}{4}$

$$\frac{8}{12} + \frac{3}{12} \text{ (1)}$$

Answer $\frac{11}{12} \text{ (1)}$

[2 marks]

5

Work out $\frac{5}{8}$ of 72

$$72 \div 8 = 9 \text{ (1)}$$

Answer 45 (1)

[2 marks]

6

(a) Work out 35% of 80

$$10\% = 8, \text{ so } 30\% = 24 \text{ and } 5\% = 4 \text{ (1)}$$

Answer 28 (1)

[2 marks]

(b) Increase 240 by 15%

$$15\% \text{ of } 240 = 36 \text{ (1)}$$

Answer 276 (1)

[2 marks]

(c) Decrease 60 by 5%

$$5\% \text{ of } 60 = 3 \text{ (1)}$$

Answer 57 (1)

[2 marks]

- 7 (a) Write down the multiplier for an increase of 8%

Answer 1.08 (1) [1 mark]

- (b) Write down the multiplier for a decrease of 12%

Answer 0.88 (1) [1 mark]

- 8 (a) Write $\frac{3}{8}$ as a decimal and as a percentage.

decimal 0.375 (1)

percentage 37.5% (1) [2 marks]

- (b) Write 0.06 as a percentage and as a fraction in its simplest form.

percentage 6% (1)

fraction $\frac{3}{50}$ (1) [2 marks]

- 9 Write these in order of size. Start with the smallest.

0.4 $\frac{3}{8}$ 35%

Answer 35%, $\frac{3}{8}$, 0.4 (1) [1 mark]

Question	Topic	RAG
1	I can multiply and divide decimals	
2	I can write one number as a fraction of another	
3	I can order fractions using a common denominator	
4	I can add and subtract fractions with different denominators	
5	I can find a fraction of an amount	
6	I can find percentages and increase or decrease by a percentage	
7	I can write a multiplier	
8	I can convert between fractions, decimals and percentages	
9	I can order fractions, decimals and percentages	