

Fractions, Decimals and Percentages 1

ANSWERS

No calculator | 30 minutes | Total marks: 29

Name _____ Class _____

1 (a) Work out $3.4 + 2.75$

Answer 6.15 (1) [1 mark]

(b) Work out $8.2 - 3.6$

Answer 4.6 (1) [1 mark]

(c) Write these numbers in order of size. Start with the smallest.

0.5 0.45 0.54 0.05

Answer 0.05, 0.45, 0.5, 0.54 (1) [1 mark]

2 Work out

(a) 4×0.6

Answer 2.4 (1) [1 mark]

(b) 7×1.25

$$7 \times 125 = 875 \text{ (1)}$$

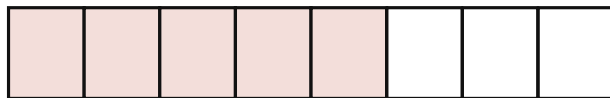
Answer 8.75 (1) [2 marks]

(c) $9.6 \div 3$

Answer 3.2 (1) [1 mark]

3

(a) What fraction of this shape is shaded?

Answer $\frac{5}{8}$ (1)

[1 mark]

(b) Which is bigger, $\frac{1}{2}$ or $\frac{3}{8}$?Answer $\frac{1}{2}$ (1)

[1 mark]

4

(a) Write $\frac{6}{9}$ in its simplest form.Answer $\frac{2}{3}$ (1)

[1 mark]

(b) Write $\frac{10}{25}$ in its simplest form.Answer $\frac{2}{5}$ (1)

[1 mark]

(c) Complete the equivalent fraction.

$$\frac{1}{4} = \frac{\boxed{3}}{12} \quad (1)$$

[1 mark]

5

Write 7 as a fraction of 20

Answer $\frac{7}{20}$ (1)

[1 mark]

6

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

$$\frac{1}{2} \quad \frac{3}{8} \quad \frac{3}{4}$$

$$\frac{4}{8} \quad \frac{3}{8} \quad \frac{6}{8} \quad (1)$$

Answer $\frac{3}{8}, \frac{1}{2}, \frac{3}{4}$ (1)

[2 marks]

7

Work out

(a) $\frac{1}{5}$ of 30

Answer 6 (1)

[1 mark]

(b) $\frac{3}{4}$ of 28

$28 \div 4 = 7$ (1)

Answer 21 (1)

[2 marks]

8

Work out

(a) $\frac{2}{9} + \frac{5}{9}$

Answer $\frac{7}{9}$ (1)

[1 mark]

(b) $\frac{7}{10} - \frac{3}{10}$

Answer $\frac{4}{10}$ or $\frac{2}{5}$ (1)

[1 mark]

9

Work out

(a) 50% of 60

Answer 30 (1)

[1 mark]

(b) 10% of 250

Answer 25 (1)

[1 mark]

(c) 30% of 40

$10\% = 4$ (1)

Answer 12 (1)

[2 marks]

(d) Increase 80 by 10%

$10\% \text{ of } 80 = 8$ (1)

Answer 88 (1)

[2 marks]

10 Complete the table.

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{1}{4}$	0.25	25% (1)
$\frac{7}{10}$	0.7	70% (1)
$\frac{1}{5}$	0.2 (1)	20%

[3 marks]

Question	Topic	RAG
1	I can add, subtract and order decimals	
2	I can multiply and divide decimals by whole numbers	
3	I can read and compare fractions	
4	I can simplify fractions and find equivalent fractions	
5	I can write one number as a fraction of another	
6	I can order fractions	
7	I can find a fraction of an amount	
8	I can add and subtract fractions with the same denominator	
9	I can find and use percentages of amounts	
10	I can convert between fractions, decimals and percentages	