



- 1 Write 0.7 as a fraction.

(1 mark)

0.7 means 7 tenths, which is $\frac{7}{10}$

$$\boxed{\frac{7}{10}}$$

- 2 Write $\frac{87}{100}$ as a decimal.

(1 mark)

$$\frac{87}{100} = 0.87$$

$$\boxed{0.87}$$

- 3 Write 30% as a decimal.

(1 mark)

$$30\% = 30 \div 100 = 0.3$$

$$\boxed{0.3}$$

- 4 Write 0.45 as a percentage.

(1 mark)

$$0.45 \times 100 = 45, \text{ so } 0.45 = 45\%$$

$$\boxed{45\%}$$

- 5 Write $\frac{3}{5}$

a. as a decimal,

b. as a percentage.

(2 marks)

a)

$$\frac{3}{5} = \frac{6}{10}$$

$$\boxed{0.6}$$

b)

$$0.6 \times 100 = 60$$

$$\boxed{60\%}$$

6 Write 60% as a fraction.

(1 mark)

60% means 60 out of 100, which is $\frac{60}{100}$

This simplifies to $\frac{3}{5}$

$$\boxed{\frac{60}{100}}$$

7 Write $\frac{9}{100}$ as a decimal.

(1 mark)

$\frac{9}{100}$ means 9 hundredths, which is 0.09

$$\boxed{0.09}$$

8 Write $\frac{7}{20}$ as a decimal.

(2 marks)

Make the bottom 100: $20 \times 5 = 100$

$$\frac{7}{20} = \frac{35}{100}$$

$$\boxed{0.35}$$

9 Write 72% as a fraction in its simplest form.

(2 marks)

$$72\% = \frac{72}{100}$$

Divide top and bottom by 4

$$\boxed{\frac{18}{25}}$$

10 Write 0.125 as a fraction in its simplest form.

(2 marks)

$$0.125 = \frac{125}{1000}$$

Divide top and bottom by 125

$$\boxed{\frac{1}{8}}$$

11 Write 0.04 as a percentage.

(1 mark)

$$0.04 \times 100 = 4, \text{ so } 0.04 = 4\%$$

$$\boxed{4\%}$$

12 Write $\frac{3}{20}$ as a percentage.

(1 mark)

$$\frac{3}{20} = \frac{15}{100}, \text{ multiplying top and bottom by 5}$$
$$\frac{15}{100} = 15\%$$

15%

13 Write $\frac{2}{3}$ as a decimal.

Give your answer correct to 3 decimal places.

(2 marks)

$$2 \div 3 = 0.6666...$$

4th decimal place is 6, so round up

0.667

14 Zane scores 18 out of 25 in a test.

Write his score as a percentage.

(2 marks)

Make the bottom 100: $25 \times 4 = 100$

$$\frac{18}{25} = \frac{72}{100}$$

72%

15 Write each decimal as a percentage.

- a. 0.06
- b. 0.275
- c. 1.2

(3 marks)

Multiply each by 100

a)

$$0.06 \times 100 = 6$$

6%

b)

$$0.275 \times 100 = 27.5$$

27.5%

c)

$$1.2 \times 100 = 120$$

120%

16 Write 7% as a decimal.

(1 mark)

$$7\% = 7 \div 100 = 0.07$$

0.07

17 Write $\frac{5}{8}$ as a decimal.

(1 mark)

$$5 \div 8 = 0.625$$

0.625

18 Write 0.35 as a fraction. Give your fraction in its simplest form.

(1 mark)

$$0.35 = \frac{35}{100}$$

Divide top and bottom by 5

$$\frac{35}{100} = \frac{7}{20}$$

$\frac{7}{20}$