

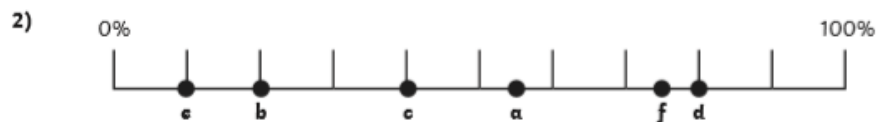
Green Answers



- 1) a) $A = \frac{1}{2}$, 0.5, 50%
 $B = \frac{1}{4}$, 0.25, 25%
 $C = \frac{1}{5}$, 0.2, 20%

b)

Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%
$\frac{30}{100}$ or $\frac{3}{10}$	0.3	30%
$\frac{60}{100}$ or $\frac{6}{10}$ or $\frac{3}{5}$	0.6	60%
$\frac{1}{4}$	0.25	25%
$\frac{75}{100}$ or $\frac{15}{20}$ or $\frac{3}{4}$	0.75	75%
$\frac{4}{5}$	0.8	80%



Yellow Answers



- 1) Charmaine is incorrect.

There is already 40% shaded.

$$\frac{6}{25} = \frac{24}{100} = 24\%$$

$$40\% + 24\% = 64\% = 0.64$$

0.64 has been shaded, this is less than 0.75.

- 2) a)

$\frac{20}{50}$	A	0.8	C
one-quarter	A	sixty-hundredths	B
$\frac{4}{5}$	C	0.09	A

- b) Multiple answers possible.

Fraction greater than $\frac{1}{2}$, less than 1	Decimal greater than 0.75, less than 1
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Red Answers



- 1) a) Petra's present cost more than Jake's present.

True/False

Petra:

$$40\% = £20 \quad 10\% = £20 \div 4 = £5$$

$$60\% = £5 \times 6 = £30 \text{ (cost of present)}$$

Jake:

$$£18 = 0.3 \quad 0.1 = £18 \div 3 = £6$$

$$0.7 = £6 \times 7 = £42 \text{ (cost of present)}$$

- b) The amount the two children took shopping was less than 0.8 of £150.

True/False

$$\text{Petra: } 10\% = £5 \quad 100\% = £5 \times 10 = £50 \text{ (amount taken shopping)}$$

$$\text{Jake: } 0.1 = £6 \quad 100\% = £6 \times 10 = £60 \text{ (amount taken shopping)}$$

$$\text{Total: } £50 + £60 = £110$$

$$0.1 \text{ of } £150 = £150 \div 10 = £15$$

$$0.8 \text{ of } £150 = £15 \times 8 = £120$$

- 2) Day 1:

$$25\% = \frac{1}{4}$$

$$\frac{1}{4} \text{ of } 6000\text{m} = 1500\text{m}$$

$$\frac{4}{5} \text{ of } 1500\text{m} = 1500\text{m} \div 5 = 300\text{m} \times 4 = 1200\text{m}$$

$$0.9\text{km} = 900\text{m}$$

$$1500\text{m} + 1200\text{m} + 900\text{m} = 3600\text{m} = 3.6\text{km}$$

$$\text{Left to complete: } 6000\text{m} - 3600\text{m} = 2400\text{m}$$

$$10\% \text{ of } 6000\text{m} = 600\text{m}$$

$$30\% \text{ of } 6000\text{m} = 1800\text{m}$$

Toni has more than 30% of her target left to complete.