

Percentages of a Quantity

Finding a % of a quantity

For 1 – 9% Find 1% by dividing by 100 and multiply by the %

For 10% 20% 30% 40% 60% 70% 80% 90%

Find 10% by dividing by 10 and multiply by the number of 10s

Example: 30% of £60

$$10\% = 60 \div 10 = 6$$

$$30\% = 6 \times 3 = £18$$

Finding 50%

Halve OR Divide by 2

Finding 25%

Halve and halve again OR divide by 2 twice

Finding 75%

Divide by 4 multiply by 3 OR find 50% and 25%

1. The interest on a bank savings account is 5%.

If you put in £250 how much interest will you get at the end of the year?

2. A jacket is marked as 20% off.

If it originally cost £80 how much will you save?

3. You see a car for sale costing £2500. Your Mum says if you save 50% of the money she will lend you the rest.

How much money will you have to save?

4. You need to buy some shampoo and see these offers.

A

25% off 500ml bottle
priced £4.50

B

20% off 500ml bottle
priced £4.20

Which is the cheapest bottle of shampoo?

5. Find 5% of each of these amounts.

a) £4.60 b) £230 c) £1500 d) £3.70

6. Find the V.A.T (17.5%) for each of these items.

a) TV costing £250 b) CD costing £18 c) Jeans costing £49.99

Percentages of a Quantity – Answer Sheet

Finding a % of a quantity

For 1 – 9% Find 1% by dividing by 100 and multiply by the %

For 10% 20% 30% 40% 60% 70% 80% 90%

Find 10% by dividing by 10 and multiply by the number of 10s

Example: 30% of £60

$$10\% = 60 \div 10 = 6$$

$$30\% =$$

$$6 \times 3 = £18$$

Finding 50%

Halve OR Divide by 2

Finding 25%

Halve and halve again OR divide by 2 twice

Finding 75%

Divide by 4 multiply by 3 OR find 50% and 25%

1. The interest on a bank savings account is 5%. If you put in £250 how much interest will you get at the end of the year? **£12.50**

2. A jacket is marked as 20% off. If it originally cost £80 how much will you save? **£16**

3. You see a car for sale costing £2500. Your Mum says if you save 50% of the money she will lend you the rest. How much money will you have to save? **£1250**

4. You need to buy some shampoo and see these offers.
Which is the cheapest bottle of shampoo?

25% off 500ml bottle
priced £4.50 **£3.37 ½**

20% off 500ml bottle
priced £4.20 **£3.36 (cheapest)**

5. Find 5% of each of these amounts.

a) £4.60 **23p** b) £230 **£11.50** c) £1500 **£75** d) £3.70 **19p (18.5p)**

6. Find the V.A.T (17.5%) for each of these items.

a) TV costing £250
£43.75

b) CD costing £18
£3.15

c) Jeans costing £49.99
£8.75