

# Mathematics

## Percentages of Amounts

### What do I do?

Find the percentages of the following amounts

### Top Tips!

- To calculate 10% - divide by 10
- To calculate 5% - divide by 10 and halve
- To calculate 1% - divide by 100
- To calculate 50% - halve
- To calculate 25% - halve and halve again ( $\div$  by 4)

With your knowledge of the facts above, you can combine them to find out any percentage amount!

### What skills do I need to improve?

Doing lots of practice questions will help with becoming familiar with question types but what else can you do to improve in this area?

- The ability to divide by 10 and 100, including decimal amounts, is a must.
- Go to the sales and see if you can calculate sale prices - 10% off, 20% off etc.
- Hold your own shop and have a sale!

*E.g: 26% - Find 25% and 1% and add together  
13% - Find 10% and find 1%, multiplied by 3. Add.  
There will often be more than one way of calculating*

### Holiday Sale

It's the festive season and we're having a sale! See if you can calculate how much the following items cost in the sale by finding the **percentages of the following amounts** and taking that amount off the original price.



Sale Price: £



Sale Price: £



Sale Price: £

# Mathematics

## Percentages of Amounts

### Holiday Sale



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**Sale Price: £**



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**Sale Price: £**



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**Sale Price: £**



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**Sale Price: £**

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## Percentages of Amounts

### Answers

#### Laptop

**Original price £1200.**

10% = £120

40% = £480

£1200 - £480 = £720.

**Sale price = £720**

#### Games Console

**Original price £250**

10% = £25

20% = £50

£250 - £50 = £200.

**Sale price = £200**

#### Bicycle

**Original price £800**

10% = £80

30% = £240

£800 - £240 = £560.

**Sale price = £560**

#### Guitar

**Original price £220**

10% = £22

5% = £11

£220 - £11 = £209.

**Sale price = £209**

#### Rubix Cube

**Original price £9**

50% = £4.50

**Sale price = £4.50**

#### Poppit

**Original price £2**

10% = £0.20

5% = £0.10

£0.20 + £0.10 = £0.30

£2.00 - £0.30 = £1.70

**Sale price = £1.70**

#### Doll in Pushchair

**Original price £50**

10% = £5

1% = £0.50

£0.50 x 2 = £1.00 (2%)

£5 + £1 = £6

£50 - £6 = £44

**Sale price = £44**

#### Rocking Horse

**Original price £110**

10% = £11

5% = £5.50

30% = £33

£33 + £5.50 = £38.50

£110 - £38.50 = £71.50

**Sale price = £71.50**