

## Core

1: What is 19% of 43?

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2: Calculate 9% of 71

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3: Work out 131% of 93 m

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4: Work out 16.5% of 154 kg

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5: A computer costs £986. A tax of 18.5% is then added to the cost of the computer.

Work out the amount of **tax** that is added to the cost of the computer.

## Extension

1: A recent survey showed that exactly 38% of people in a town buy the local newspaper. There are 2450 people in the town.

a) How many people in the town buy the local newspaper?

b) How many people in the town **do not** buy the local newspaper?

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2: Alana and Harrison played 60 games of rock-paper-scissors.  
Alana won 45% of the games and Harrison won 20% of the games.

How many games did they draw?

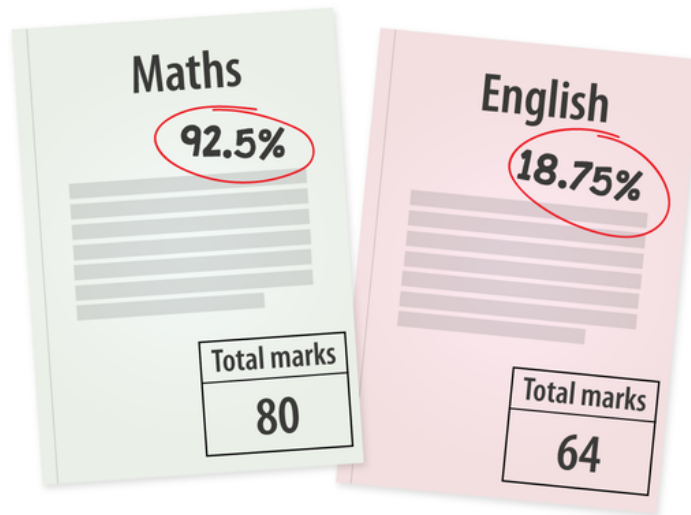
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3: Work out 0.3% of £13,750

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- 4: Ethan did a maths test marked out of 80 and got 92.5% correct. He also did an English test marked out of 64 and got 18.75% correct.

How many more marks did Ethan get in the maths test than the English test?



- 5: There are 1800 pupils in a school.  
20% of the pupils are in Year 7.  
55% of the Year 7 pupils are boys.

How many Year 7 boys are there in the school?

## Challenge

- 1: Alayna is paid £850 per month.  
Each month she spends 68% of her pay and saves the rest.

How many months will it take Alayna to save £4624?

- 2: There are 33 motorbikes, 61 vans and 246 cars on a ferry.  
60 more vehicles board the ferry at Seatown and none leave.

Now 23% of the vehicles on the ferry are vans.

How many of the 60 vehicles that boarded at Seatown were vans?

**3:** 26% of a value is £65.

What is the original value?

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**4:** 8% of a length is 360 m.

What is the original length?

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# Using a calculator to find percentages of amounts

Year 8

## Answers

Core:

1. 8.17
2. 6.39
3. 121.83 m
4. 25.41 kg
5. £182.41

Extension:

1. a) 931 people  
b) 1519 people
2. 21 games
3. £41.25
4. 62 marks
5. 198 pupils

Challenge:

1. 17 months
2. 31 vans
3. £250
4. 4500 m