

Examples



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Workout

Question 1:

- |   |   |
|---|---|
| (a) Write £5 as a percentage of £10         | (b) Write 5cm as a percentage of 20cm     |
| (c) Write 7 days as a percentage of 10 days | (d) Write 27 as a percentage of 50        |
| (e) Write 3g as a percentage of 20g         | (f) Write 4m as a percentage of 5m        |
| (g) Write 164 as a percentage of 200        | (h) Write 130ml as a percentage of 1000ml |

Question 2:

- |  |  |
|--|--|
| (a) Write 6 out of 8 marks as a percentage | (b) Write 10kg as a percentage of 40kg |
| (c) Write 22 as a percentage of 40         | (d) Write \$15 as a percentage of \$75 |
| (e) Write £21 as a percentage of £30       | (f) Write €18 as a percentage of €40   |
| (g) Write 20p as a percentage of £1        | (h) Write 60cm as a percentage of 2m   |





Question 3:

- |  |   |
|--|---|
| (a) Write 3 as a percentage of 8             | (b) Write 13 out of 200 as a percentage |
| (c) Write 7cm as a percentage of 40cm        | (d) Write \$5 as a percentage of \$16   |
| (e) Write 19 marks out of 32 as a percentage | (f) Write 20 out of 30 as a percentage  |

Question 4: Give each answer to 1 decimal place

- |  |  |
|--|--|
| (a) Write 8 as a percentage of 18                  | (b) Write £1000 as a percentage of £1200   |
| (c) Write 128 as a percentage of 153               | (d) Write 5 hours as a percentage of 1 day |
| (e) Write 394000 people as a percentage of 2490000 |  |

Apply

- Question 1: Kristina receives £5 from her Grandmother.  
She gives £1 to her sister.  
What percentage of the £5 did she give to her sister?
- Question 2: For every 50 fans at an ice hockey match between Belfast and Cardiff,  
20 of the fans support Cardiff.  
(a) Work out 20 as a percentage of 50.  
  
1000 fans attend the match between Belfast and Cardiff.  
(b) How many Cardiff fans attend the match?
- Question 3: Danny scored 13 out of 20 in a quiz.    
(a) Work out the percentage of questions Danny answered correctly.  
(b) Work out the percentage of questions Danny answered incorrectly.
- Question 4: Jake brings 400 cupcakes to a school fête.  
He sells 350 of the cupcakes.  
Jake says that he has sold over 85% of the cupcakes.   
  
Is Jake correct?
- Question 5: A cereal bar weighs 24g.  
The cereal bar contains 3.8g of protein.  
Work out what percentage of the cereal bar is protein.
- Question 6: Hannah scored 60 out of 90 in a French test.  
She scored 50 out of 80 in a drama test.  
Hannah scored 85 out of 130 in an art test.  
She scored 13 out of 20 in a maths test.  
Arrange the subject in order from the highest percentage to lowest percentage.
- Question 7: Bryan and Ryan are buying a car that costs £15000.  
Bryan pays a deposit of £2000  
Ryan pays a deposit that is 40% more than Bryan's deposit.  
Work out the percentage of total cost that is left to pay. 

## Expressing as a Percentage

Video 237 on [www.corbettmaths.com](http://www.corbettmaths.com)

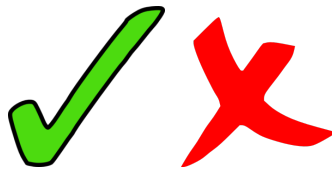
Question 8: 370 students attend a primary school.  
Mrs Jones says that at least 95% of students attended the school every day.

Mon	Tues	Wed	Thurs	Fri
360	355	352	347	357

Is Mrs Jones correct?

Question 9: The population of a town is  $4.52 \times 10^4$   
The number of people that own a goldfish is  $1.34 \times 10^3$   
Calculate the percentage of the population that own a goldfish.

Answers



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