

Percentage of an amount (non-calc)

Video 234 on Corbettmaths

Examples

Workout



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Question 1: Work out the following

- (a) 10% of 70m (b) 25% of 16 seconds (c) 10% of 400kg (d) 50% of 26g
(e) 75% of 40ml (f) 1% of £300 (g) 25% of 36 days (h) 50% of 9 days
(i) 75% of 24p (j) 25% of £18 (k) 1% of \$6300 (l) 10% of £7
(m) 1% of 60m (n) 75% of 8 miles (o) 1% of 80kg (p) 50% of 1.6km

Question 2: Work out the following

- (a) 20% of 30km (b) 5% of £60 (c) 2% of 600m (d) 30% of 70p
(e) 3% of \$9000 (f) 40% of 75 seconds (g) 15% of 90 hours (h) 5% of 14kg
(i) 60% of 30km (j) 30% of £40 (k) 70% of 900cm (l) 20% of 13cm
(m) 11% of 420m (n) 26% of 4000m (o) 55% of £8 (p) 15% of 340kg

Question 3: Work out the following

- (a) 35% of £800 (b) 6% of 160g (c) 23% of 330cm (d) 52% of 910m
(e) 61% of 1400 (f) 7% of 640GB (g) 45% of 350g (h) 80% of 450 people
(i) 90% of 1250ml (j) 76% of £80,000 (k) 85% of 90 hours (l) 12% of £6
(m) 6% of £20 (n) 11% of 6m (o) 28% of 3km (p) 71% of 4 tonnes



Question 4: Calculate the following

- (a) 30% of 245m (b) 5% of 84g (c) 30% of £254 (d) 35% of 82 seconds
(e) 15% of 688kg (f) 45% of 3mm (g) 18% of 25miles (h) 65% of 108ml
(i) 98% of 6m (j) 55% of 18 points (k) 20% of 1.8kg (l) 19% of 705ml
(m) 27% of 84g (n) 63% of 38 seconds (o) 86% of 5km (p) 92% of 80 litres

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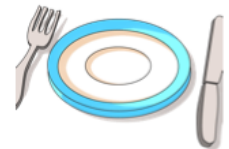
- Question 1: A primary school has 212 students.
50% of the students are boys.
How many of the students are boys?
- Question 2: There are 800 fans at a rugby match between Armagh and Malone.
30% of the fans support Malone.
How many fans support Malone?
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- Question 3: Hannah is paid £280.
She spends 30% on her rent, 25% on food and bills and saves the rest.
- (a) How much does Hannah spend on rent?
(b) How much does Hannah spend on food and bills?
(c) How much does Hannah save?
- Question 4: There are 220 students in Year 7.
15% cycle to school.
60% are driven to school.
The rest walk to school.
- (a) How many students cycle to school?
(b) How many students are driven to school?
(c) How many students walk to school?
- Question 5: Fredrick is an estate agent in New York and earns 5% commission on every property sold. How much will he receive if he sells a flat for \$830,000?
- Question 6: A cake weighs 750g.
40% of the cake is sugar.
Work out how many grams of sugar are in the cake.
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- Question 7: There are 600 members of a running club.
45% of these members are male.
Work out 45% of 600.
- Question 8: Martin gives 40% of £75 to his sister.
How much money does Martin give to his sister?

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- Question 9: Emma is paid £24,000 each year.
She is given a pay rise of 12%.
Work out 12% of £24,000.
- Question 10: Mrs Jones donates 4% of her salary each year to charity.
She is paid £32,400.
Work out how much money she donates to charity.
- Question 11: 13% of the people on an island are left handed.
The population of the island is 0.7million.
Work out how many people are left handed.
- Question 12: Frank organised a raffle.
He sells 300 tickets for £5 each.
The prizes cost £400.
He gives 55% of the profit to Charity A and 45% of the profit to Charity B.
Work out how much each charity receives.
- Question 13: Michael is going to buy a car.
The car costs £2400.
He pays a deposit of 20%.
Michael pays the rest of the money over 20 monthly payments.
Work out the cost of each monthly payment.
- Question 14: An adult ticket for a museum is £15.00
A child ticket costs 60% of the price of an adult ticket.
Mrs Jenkins and her three children go to the museum.
Mrs Jenkins pays with three £20 notes.
How much change will she receive?
- Question 15: Frances and her family go for a meal while on holiday in Florida.
They are told it is normal to tip 15%.

The meal costs \$128
Frances tips \$16, is this enough?



Answers



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