

Change to a Percentage without a Calculator

- 1) Write the following as percentages.
 - a) 12 out of 50
 - b) 15 out of 25
 - c) 8 out of 10
 - d) 11 out of 20
 - e) 4 out of 5
 - f) 32 out of 40
 - g) 12 out of 80
 - h) 640 out of 800
 - i) 36 out of 60

- 2) Tim got 17 out of 20 in a French test.
Write 17 out of 20 as a percentage.

- 3) Write £19 as a percentage of £25

- 4) Work out £14 as a percentage of £40

- 5) A baker burnt 12 loaves out of the 200 loaves he baked.
What percentage of the 200 loaves did he burn?

- 6) What is £380 as a percentage of £400?

- 7) What is £22 as a percentage of £40?

- 8) If there are 9 girls and 11 boys in a class, what percentage of the class are girls?

Percentages



- 1) Find the following to the nearest penny:
- 23% of £670
 - 12% of £580
 - 48% of £64
 - 13% of £7.50
 - 87% of £44
 - 15.7% of £7000
 - 23.8% of £980
 - 34% of £16.34
 - 48.6% of £971.26
 - 78.24% of £12.82
 - 42.15% of £7876.42
 - 0.57% of £60000

- 2) Find the following:
- 10% of £700
 - 10% of £400
 - 10% of £350
 - 10% of £530
 - 10% of £68
 - 10% of £46
 - 10% of £6.50
 - 10% of £12.20
 - 20% of £600
 - 30% of £900
 - 60% of £800
 - 20% of £650
 - 40% of £320
 - 15% of £300
 - 15% of £360
 - 65% of £12000
 - 45% of £64
 - 85% of £96
 - 17.5% of £800
 - 17.5% of £40
 - 17.5% of £8.80



- 3) Change the following to percentages, giving all answers to 1 decimal place:
- 6 out of 28
 - 18 out of 37
 - 42 out of 83
 - 24 out of 96
 - 73 out of 403
 - 234 out of 659
 - 871 out of 903
 - 4.7 out of 23
 - 6.9 out of 79
 - 14.8 out of 23.6
 - 65.8 out of 203.7

- 4) Change the following to percentages:
- 46 out of 100
 - 18 out of 50
 - 7 out of 25
 - 23 out of 25
 - 9 out of 20
 - 16 out of 20
 - 7 out of 10
 - 9.5 out of 10
 - 10 out of 40
 - 16 out of 40
 - 30 out of 40
 - 12 out of 40
 - 28 out of 80
 - 32 out of 80
 - 60 out of 80
 - 3 out of 5
 - 4 out of 5
 - 15 out of 75
 - 24 out of 75
 - 30 out of 75

- 5) A shop gives a discount of 20% on a magazine that usually sells for £2.80. Work out the discount in pence.



- 6) A television costs £596 plus VAT at 17.5%.
Work out the cost of the television including VAT.



- 7) Peter has 128 trees in his garden. 16 of the trees are pear trees.
What percentage of the trees in his garden are pear trees?



- 8) Jane scored 27 out of 42 in a Maths test and 39 out of 61 in a Science test.
What were her percentages in both subjects to 1 decimal place?

- 9) In class 9A there are 7 girls and 18 boys.
What percentage of the class are girls?

- 10) A shop decides to reduce all the prices by 15%.
The original price of a pair of trainers was £70. How much are they after the reduction?



- 11) VAT at 17.5% is added to the price of a car. Before the VAT is added it cost £18000.
How much does it cost with the VAT?