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)  11out 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?

Change to a Percentage with a Calculator

1)  Write the following as percentages, giving all your answers to 1 decimal place.

* 1. a)  12 out of 34
  2. b)  62 out of 85
  3. c)  113 out of 153
  4. d)  2150 out of 3452

2)  Sarah sat a Science test and got a score of 64 marks out of 112 possible marks.   
What was her mark as a percentage? Give your answer to 1 decimal place.

3)  In a class of 32 students, 18 of them are boys.   
What percentage of the class are boys? Give your answer to 1 decimal place.

4)  In a French class there are 13 girls and 6 boys.   
What percentage of the class are girls? Give your answer to 1 decimal place.

5)  A new car usually costs £8500. Henry gets a discount of £1000.   
What is the discount as a percentage of the usual cost? Give your answer to 1 decimal place.

6)  Write out £148 as a percentage of £600. Give your answer to 1 decimal place.

7)  In a wood there are 200 oak trees, 650 silver birch trees and 400 wild cherry trees. What percentage of the trees are oak trees?

8)  In England in 2010 there were 68820 deaths caused by cancer. Of these deaths, 37500 were caused by smoking.   
What percentage of deaths due to cancer were caused by smoking? Give your answer to 1 decimal place.

Percentage of an Amount with a Calculator

1)  Work out:

a)  21% of £340

b)  64% of £1080

c)  36% of £800

d)  98% of £13

2)  Work out:  
a) 17.5% of £58

b) 20% of £5.40

c) 61.7% of £2000

d) 17.5% of £68.40

3)  A computer costs £406 plus VAT at 20%. Work out the total cost of the computer.

4)  A car is usually priced at £9800 but now has a discount of 8%. What is the new price of the car?

5)  9500 people attend a festival and 22% of them are children. How many children are at the festival?

6)  65% of a car, by weight, is steel and iron.  
If a car weighs 1100 kg, what is the weight of steel and iron in the car?

7)  Tony earns £17800 per year and receives a 3.8% pay rise. How much does he now earn?