

1. Jenny earns £50.
She saves 30% of this.

Ana earns £40.

She saves $\frac{2}{5}$ of this.

Work out who saves more and by how much.
Show how you decide.

Write Jenny or Ana on the first space.

..... saves more by £

[4]

2. Sam earns £6 per hour.
One week he works for 35 hours.

He saves 20% of his total earnings for the week.

How much money does he save?

You must show your working.

£

[4]

3. A computer costs £650.
This price is reduced by 18%.



Calculate the reduced price of the computer.

£

[3]

4. In a Science test the pass mark is 70%.
Geoff scores 86 marks out of a total of 120.

Does he pass?
Show how you decide.

(Write *Yes* or *No* in the first space below)

..... because

[2]

5. At the start of 2006 the population of a town was 127 320.
The population is increasing by 14% each year.

Assuming this growth rate continues, what will the population be at the start of 2010?

.....

[3]

6. Bob, Carl and Peter share a flat.
The rent for the flat is £725.

Bob pays 42% of the rent.

Carl pays $\frac{3}{10}$ of the rent.

Peter pays the rest.

How much does Peter pay?

£

[4]

7. The price of a TV is reduced by £63 from £450.

Calculate the percentage reduction.

.....%

[2]

8. A digital television costs £850.
The price is reduced by 8%.

Calculate the reduced price.

£

[3]

9. A garage displays this sign.

<p style="text-align: center;"><u>Sale</u> 15% off all car prices</p>

- (a) The original price of one car is £8640.

Calculate its sale price.

£

[3]

- (b) Hidetoshi sees this sign on a different car at the garage.

<p style="text-align: center;">was £12 800 now reduced by £2000</p>

Does the offer on this car match the 15% sale at the garage?

.....

[3]

10. The price of a coat is reduced by 20% in a sale.
The sale price is £72.

What was the **original** price of the coat?

£

[3]

11. A population of butterflies is increasing.
 Assume that, each August, the number of butterflies is 4.6% more than it was the previous August.
 In August 1990, there were 150 butterflies.

How many butterflies will there be in August 2006?

.....

[2]

12. Rucinder invests £4500 at a rate of 6.5% per year compound interest.

Calculate the value of her investment after 5 years.

£

[3]

13. (a) The price of a TV set was £360.
 It was reduced by 25% in a sale.
 On the last day of the sale, the sale price was reduced by 20%.

Work out the overall percentage reduction.

.....%

[4]

- (b) A train fare was increased by 10%.
 The **new fare** is £36.30.

Calculate the fare before the increase.

£

[3]