1. In a sale, normal prices are reduced by 20%.

SALE
20% OFF

Andrew bought a saddle for his horse in the sale.
The sale price of the saddle was £220.

Calculate the normal price of the saddle.

$$220 = 80\%$$

$$\div 80 \qquad \div 80$$

$$2.75 = 1\%$$

$$\times 100 \qquad \times 100$$

$$£275 = 100\%$$

£...275...........

(Total 3 marks)

2.

Jacob answered 80% of the questions in a test correctly.
He answered 32 of the questions correctly.

Work out the total number of questions in the test.

$$80\% = 32$$
$$\div 8 \qquad \div 8$$
$$10\% = 4$$
$$\times 10 \qquad \times 10$$
$$100\% = 40$$

................40.................

(Total 3 marks)

3. In a sale, normal prices are reduced by 15%.
The sale price of a CD player is £102

Work out the normal price of the CD player.

$$£102 = 85\%$$
$$\div 85 \qquad \div 85$$
$$£1.20 = 1\%$$
$$£120 = 100\%$$

£.....120.....

(Total 3 marks)

4. A garage sells cars.
It offers a discount of 20% off the normal price for cash.

Dave pays £5200 cash for a car.

Calculate the normal price of the car.

$$£5200 = 80\%$$
$$\div 80 \qquad \div 80$$
$$£65 = 1\%$$
$$£6500 = 100\%$$

£....6500....

(Total 3 marks)

5. In a sale, normal prices are reduced by 25%.
The sale price of a saw is £12.75

Calculate the normal price of the saw.

$$12.75 \div 0.75$$

£ ....17.................

(Total 3 marks)

6. In a sale, normal prices are reduced by 12%.
The sale price of a DVD player is £242.

Work out the normal price of the DVD player.

$$242 \div 0.88$$

£ ....275...........

(Total 3 marks)

7. The price of all rail season tickets to London increased by 4%.

   (a) The price of a rail season ticket from Cambridge to London increased by £121.60
   Work out the price before this increase.

   £121.60 = 4%
     ×25   ×25

   £ .....3040.......

   (2)

   (b) After the increase, the price of a rail season ticket from Brighton to London was £2828.80
   Work out the price before this increase.

   £2828.80 = 104%

   2828.80 ÷ 1.04

   £ .....2720.......

   (3)
   (Total 5 marks)