GCSE Maths homework sheet (higher)   Week 19

1. In a sale all the normal prices are reduced by 13%.

   Misha buys a woolly hat in the sale for £3.91

   Calculate the normal price of the hat.   (3)

2. The owner of the shop where Misha bought her hat tells her that Rumble & Reck, the car dealership down the street, are selling everything at 79% of marked price for one day only.

   Misha goes to Rumble & Reck, and buys a car (the salesman assures her that it is "a sweet little runner") for £2369.

   (a) What was the marked price on the car?   (3)

   To buy the car, Misha has to withdraw 23% of her savings.

   (b) After buying the car, how much does she have left in her savings account?   (3)

   .   The building society account where Missha keeps her savings account had just that morning, a few minutes before her withdrawal, paid out 4·71% interest on her balance for the year.

   (c) How much did Misha have in her account before the interest was paid?   (3)

3. Misha sells her old car for £500 on eBay. This is 42% less than she paid for it.

   How much did Misha originally pay for her old car?

4. Meanwhile, back at the ranch, Misha is having an extension built.

   The builder who is doing the job recently bought a stock of bricks.

   He has so far used 12297 of those bricks, which is 9% of the stock he bought.

   How many bricks does the builder have left?   (3)

Divide your marks by 15, then multiply by 100 to get a percentage. Write the percentage here, to 3 significant figures: . . . . . %