Test Revision

1) In a sale a jacket is **reduced in price by 10%.** The original price is £85.

   How much does it cost in the sale?

2) The population of a town is 12000. **40%** of the population are aged over 65.

   How many people in the town are aged over 65?

3) Multiply out the brackets

   a) $3(x+6)$ b) $2(x-5)$ c) $x(x+2)$ d) $x(x-5)$

4) Factorise these

   a) $2x+8$ b) $3x-12$ c) $8w+aw$ d) $5y+my$

5) Solve these equations

   a) $5x+3=13$ b) $4t-2=18$ c) $2(w+3)=18$

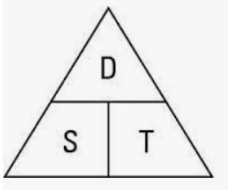
   d) $3(m-2)=15$ e) $5x+3=x+19$ f) $4y-1=y+14$

6) Steven gets a job in McDonalds. He gets paid **£8.30 an hour** plus any overtime at time and a half.

   One week he works 30 hours at £8.30 an hour plus he does **4 hours overtime** at time and a half.

   Calculate Steven's total pay for the week.

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7) An aircraft travels at an average speed of 460mph for 5 hours and 30 minutes.

   Calculate the distance travelled.

8) A bus travels a distance of 14 miles and it takes 15 minutes.

   Calculate the average speed of the bus.

9) A computer costs £540. It can also be bought on hire purchase by paying a **10% deposit** and then 12 monthly payments of £53.

   If you pay be Hire Purchase (HP), then how much more expensive is it?

10) Heather earns £21500 per annum. She is given a **3% pay rise.**

    How much is Heather's annual pay now?

11) a) Peter wants to change £150 into Euros to take on holiday to Spain.

       The exchange rate is **£1= €1.08**

    How much Euros will he get?

    b) He comes back from his holiday with €35. If he changes this back to pounds how much will he get. **Write your answer to the nearest penny.**