Name:_____

N4 November Test Revision

1) A garage charges £85 to service my car and offers a **5% discount**.

   How much will I pay?

2) The population of a town is 12000. **30%** of the population are aged under 18.

   How many people in the town are aged under 18?

3) Multiply out the brackets

   a) $5(x+3)$ b) $4(x-5)$ c) $x(x+3)$ d) $x(x-2)$

4) Factorise these

   a) $2x+6$ b) $3x-9$ c) $8x+ax$ d) $2y+xy$

5) Solve these equations

   a) $6x+3=21$ b) $4y-2=18$ c) $2(x+4)=18$

   d) $3(m-2)=30$ e) $5x+2=x+18$ f) $4y-2=y+15$

6) Freya gets a job in Costa. She gets paid **£8.50 an hour** plus any overtime at time and a half.

   One week she works a basic 30 hours plus **4 hours overtime**.
   Calculate Freya's total pay for the week.

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7) A high speed train travels between two cities at an average speed of 160km/h. The journey takes 2 hours and 30 minutes.

   Calculate the distance travelled.

8) Aidan walks a distance of 1.2km in 15 minutes.

   Calculate Aidan's walking speed in kilometres per hour.

9) A sofa costs £840. It can also be bought on hire purchase by paying a **10% deposit** and then 12 monthly payments of £68.

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

10) Sophie earns £21500 per annum. She is given a **5% pay rise.**

    How much is Heather's annual pay now?

11) a) Oscar wants to change £200 into Euros to take on holiday to Spain. The exchange rate is **£1= €1.12**

    How many 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?
    Round your answer to the nearest penny.