



9th January

124 120 116 112
 $\begin{matrix} \vee & & \vee & & \vee \\ -4 & & -4 & & -4 \end{matrix}$

What are the next two terms?

108 and 104

What is the tenth term?

7th 100
 8th 96
 9th 92
 10th 88

Solve $3y + 4 = 22$

$3y + 4 = 22$
 $3y = 22 - 4$
 $3y = 18$
 $y = 18 \div 3$
 $y = 6$

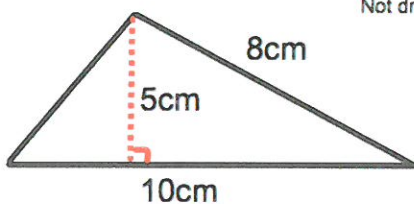
Mary has £400

She gives 10% to her sister.
 She gives two fifths to her mum.

How much does she have left?

10% of £400 = £40
 $\frac{2}{5}$ of £400 = £160
 $\underline{\hspace{1cm}}$
 £200

$£400 - £200 = £200$
 She has £200 left



Not drawn accurately

Calculate the area of the triangle.

$A = \frac{1}{2}bh$
 $b = 10 \quad h = 5$
 $A = \frac{1}{2} \times 10 \times 5$
 $= 25\text{cm}^2$

Write 36 as a product of primes.
 Give your answer in index form.

36
 $\begin{matrix} \wedge \\ 4 & 9 \\ \wedge & \wedge \\ (2) & (2) & (3) & (3) \end{matrix}$
 $36 = 2 \times 2 \times 3 \times 3$
 $36 = 2^2 \times 3^2$