

34 x 9

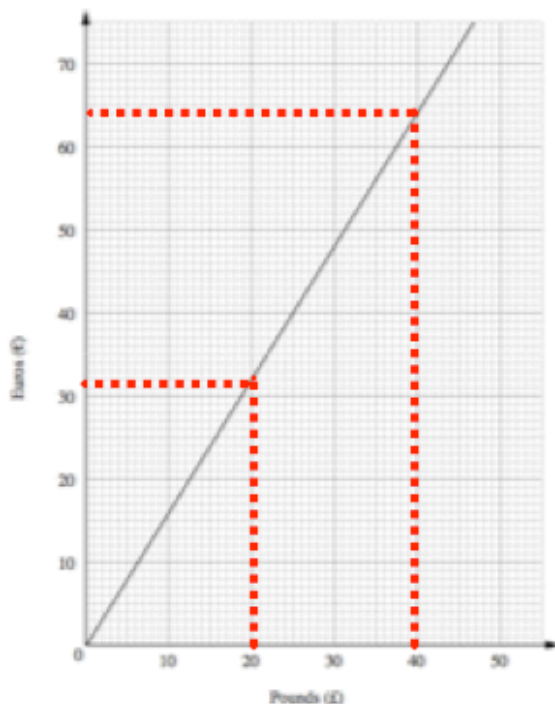
$$\begin{array}{r|l} \times & 30 & 4 \\ \hline 9 & 270 & 36 \end{array}$$

$$\begin{array}{r} 270 \\ + 36 \\ \hline 306 \end{array}$$

List the first 5 multiples of eleven

11 22 33 44 55

List the factors of 24

1 2 3 4 6 8  
12 24

Convert £40 into Euros

≈ 64 euros

Which is worth more £20 or €30

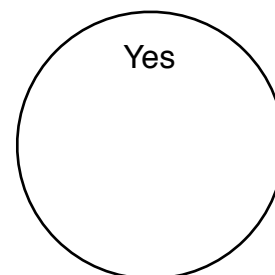
↓  
32 euros

£20

David measures 3 angles in a triangle and they are:  $50^\circ$ ,  $62^\circ$  and  $68^\circ$ .

Do these 3 angles make a triangle?

$$\begin{array}{r} 50 \\ + 62 \\ + 68 \\ \hline 180 \end{array}$$



Find the nth term for the sequence:

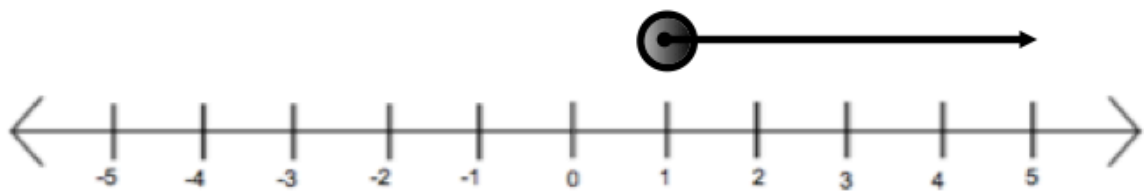
9 13 17 21 ....

$4n$   
 $4 \quad 8 \quad 12 \quad 16$   
 $4n + 5$

Is 202 in the sequence?

No, as it is even  
 or  $4n + 5 = 202$   
 $4n = 197$

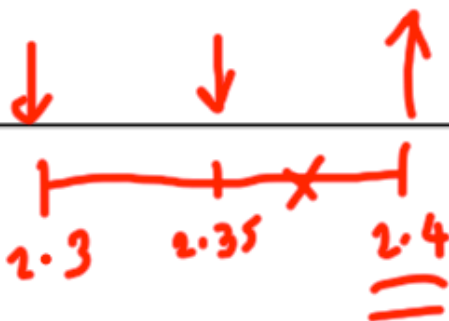
Draw  $x \geq 1$  on the number line.



Using trial and improvement, solve

$$x^3 + 7x = 30$$

to 1 decimal place



Answer: 2.4

x	$x^3 + 7x$	Comment
2	22	Too small
3	48	Too big
2.5	33.125	too big
2.4	30.624	too big
2.3	28.267	too small
2.35	29.427..	too small

Find the lowest common multiple of 12 and 15

12 24 36 48 60  
 15 30 45 60

60.

May 27	5-a-day	Higher
Expand $(y + 3)(y + 5)$ $y^2 + 5y + 3y + 15$		$y^2 + 8y + 15$
The population of a country is 61,000,000. Write this in standard form. A field is 20m in width and 50m in length. The width is to the nearest 10 metres. The length is to the nearest 10 metres. Find the minimum area.	$6.1 \times 10^7$ 15m 45m $15 \times 45 = 675m^2$	
There are 30 girls and 60 boys in year 7. Explain why a stratified sample would be useful in this situation.		To keep the sample in the same proportion as the population. Twice as many boys should be in the sample than girls
Simplify $\frac{x^2 - 16}{x^2 - 7x + 12}$	$\frac{(x+4)(x-4)}{(x-3)(x-4)}$	$\frac{x+4}{x-3}$