

Name: \_\_\_\_\_

5-a-day

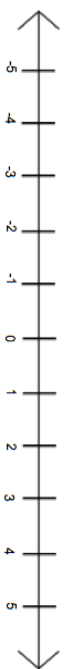
Foundation Plus

13th January



Corbettmaths

Draw  $x < 2$  on the number line.

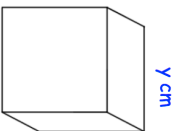
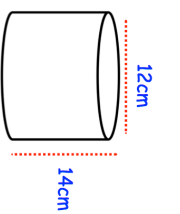


Factorise  $x^2 + 12x + 35$

Factorise  $x^2 - 10x + 25$

A bicycle wheel has diameter 80cm.  
The bicycle travels 50m.

How many complete revolutions  
does the wheel make?



A cube has side length  $y$  cm.  
The cylinder and cube has the same  
volume.  
Find  $y$

Solve the simultaneous equations

$$\begin{aligned} 5x + 3y &= 41 \\ 2x + 3y &= 20 \end{aligned}$$

Do not use trial and improvement

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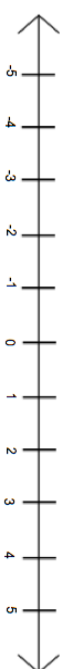
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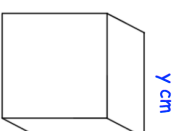
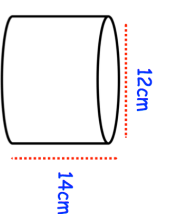


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