

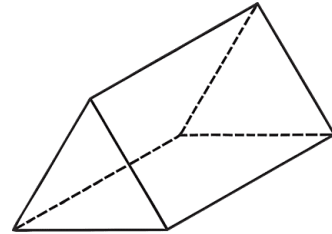
MATHS TEACHER HUB
GCSE Foundation revision sheet - 14

1. Solve

$$\frac{m}{7} = 2.5$$

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2. How many edges does a triangular prism have?



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3. Work out $1224 \div 8$

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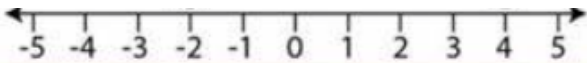
4. Order these in ascending order

1.3 1.03 1.303 1.33

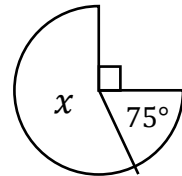
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5. Draw this inequality on the number line

$$x \geq 2$$



6. Work out x



Give a reason for your answer

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7. $m = 7, n = -2$

$$\frac{6m}{n}$$

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8. Factorise

$$y^2 + 4y - 5$$

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9. Solve these simultaneous equations

$$\begin{aligned}x + y &= 7 \\x - y &= -1\end{aligned}$$

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10. Complete the table for the graph
 $y = x^2 + x - 1$

x	-2	-1	3
y			

11. Andy spent £30 on cake ingredients.
He sold them all for £75.
Work out his % profit

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12. m is directly proportional to p .
 $m = 56$ when $p = 20$

Work out the value of m when
 $p = 35$

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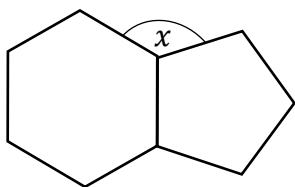
13. Water flows at a rate of 10m^3 per minute through a pipe.
How many hours would it take for 2100m^3 to flow through the pipe?

14. Work out an estimate for the mean

Temperature (t)	Frequency
$10 < t \leq 15$	6
$15 < t \leq 20$	14
$20 < t \leq 25$	5

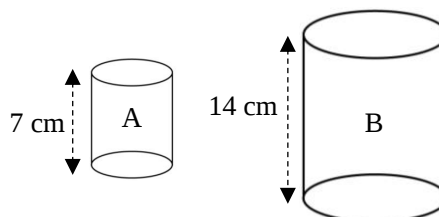
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15. Here are two regular polygons.
Work out the value of x



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16. The 2 cylinders are similar.
The volume of A is 200cm^3
Work out the volume of B.



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