

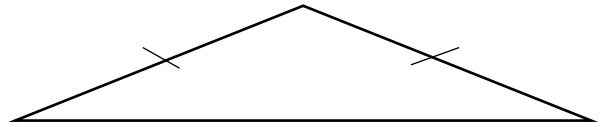
 MATHS TEACHER HUB
GCSE Foundation revision sheet - 24

1. Solve

$$\frac{20}{m} = 4$$

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2. Write down the mathematical name for this shape.



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3. The temperature in Rome during the day was 3°C .
In the evening, the temperature had fallen by 8° .
Work out the temperature in the evening.

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4. Expand and simplify

$$7(x - y)$$

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5. Convert to a mixed number

$$\frac{75}{4}$$

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6. A season ticket was priced at £480.
Next season the price will increase by 5%.
Work out the price of the ticket next season.

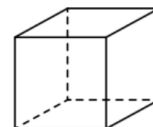
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7. Factorise

$$15y^2 - 9xy$$

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8. The total length of all edges of a cube is 36cm.



Work out the volume of the cube.

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9. Work out

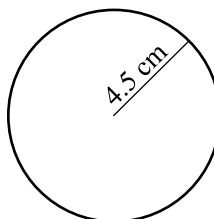
(a) $\sqrt[3]{54.872}$

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(b) 0.9^5

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10. Work out the circumference of this circle.



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11. Simplify the ratio 182:130 to the form $n : 1$

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12. Complete the table for the graph $y = 2x - x^2$

x	-2	-1	0	1	2
y		-3			0

13. Work out an estimate for the mean

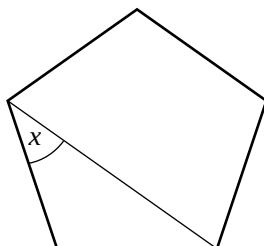
Money (m)	Frequency
$20 < m \leq 40$	18
$40 < m \leq 60$	21
$60 < m \leq 80$	30
$80 < m \leq 100$	6

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14. Katie spent £30 on ingredients for a cake sale.
She sold all the cakes for £55.50.
Work out her percentage profit.

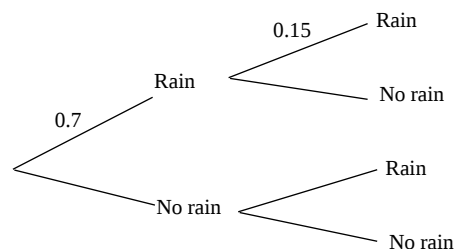
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15. Here is a regular polygon
Work out the value of x .



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16. The probability tree diagram shows the chances it will rain on Monday and Tuesday.



Work out the probability it wont rain on either day.

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