

GCSE Foundation revision sheet - 15

1. Make x the subject

$$w = \frac{x}{e}$$

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2. Convert 1.6 metres to centimetres

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3. Estimate.

$$\frac{\sqrt{101}}{0.512}$$

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4. $a = \begin{pmatrix} -4 \\ 3 \end{pmatrix}$

State the value of $-2a$

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5. Find the HCF of 24 and 30

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6. In a class $\frac{2}{5}$ of the students are right-handed.

Write down the ratio of right to left-handed students.

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7. Simplify

$$5x^4y^{-2} \times 4xy^6$$

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8. Solve

$$2(3a + 5) = 4$$

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9. 7 tickets cost 384.65
Work out the price of 4 tickets.

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10. The probability of Jeff winning the raffle is 0.015

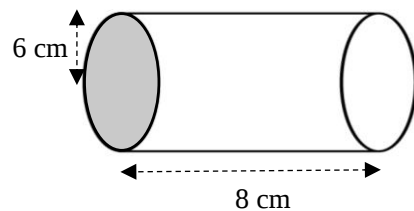
What is the probability of him not winning the raffle?

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11. A fair coin is flipped 3 times.
Work out the probability that the coin will land on 3 tails.

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12. Work out the volume of the cylinder.



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13. A new mobile phone is priced at £750.
It will decrease in value by 18% each year.
How much will it be worth in 3 years time?

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14. The mean height of 4 trees is 17m.
One of the trees is to be chopped down. The mean height is now 15m.
What was the height of the tree that was chopped down?

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15. Change 40 gallons per hour to litres per minute.

1 gallon = 4.55 litres.

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16. x is inversely proportional to y^2
 $y = 2$ when $x = 0.375$

Work out the value of x when $y = 5$

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