

 MATHS TEACHER HUB
GCSE Foundation revision sheet - 20

1. How many hours is 180 minutes

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2. Simplify

$$5y^2 + 2y - 3y^2 + 9y$$

.....

3. Match up the correct statement

$$2k = k + k$$

Term

$$4p$$

Inequality

$$x + 1 > 7$$

Identity

.....

4. Solve

$$m + 2 = -10$$

5. Simplify the ratio 39:15 to the form $n : 1$

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6. Work out

$$1\frac{1}{2} \div \frac{2}{5}$$

.....

7. Expand and simplify

$$(y - 3)(y - 5)$$

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8. Factorise

$$x^2 - 9$$

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9. A car has been reduced from £8500 to £8075.

Work out the % of the reduction.

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10. £1 = 1.14 Swiss francs

Convert

(a) £270 into Swiss francs

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(b) 925 Swiss francs into pounds

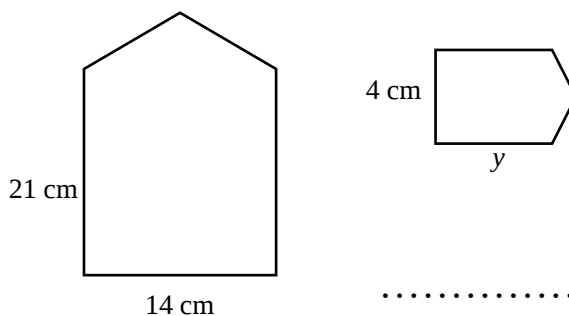
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11. Use your calculator to work out

$$\sin 45^\circ \times \frac{2.5 + 7.12}{\sqrt{0.86}}$$

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12. The shapes below are similar.
Work out the value of y .



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13. Juliette scored 85% on her science test.

In total she got 119 marks.

How many marks were on the test in total?

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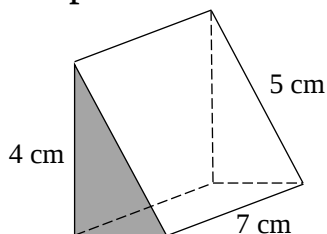
14. The density of silver is 10.5 g/cm^3

A silver coin has a mass of 31.2 g

Work out the volume of the silver coin.

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15. Work out the volume of this prism.



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16. A circle has an area of 452 cm^2
Work out the diameter of the circle.

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