

 MATHS TEACHER HUB
GCSE Foundation revision sheet - 7

1. Work out

$$\sqrt{9} + 11^2$$

.....

2. Write the number eighteen thousand, four hundred and nine in digits.

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3. Share £45 between Cali and Faye in the ratio 2: 3
How much do they each receive?

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4. Dennis left his house at 0945
He arrived at the campsite at 1320

How long was his journey?

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5. There are 4 red, 3 blue and 5 green counters in a bag.

Work out the probability of selecting a counter that is **not** blue.

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6. Simplify

(a) $f^2 \times f^5$

.....

(b) $n^{18} \div n^3$

.....

(c) g^0

.....

7. Factorise

$$9x^2 - 15x$$

.....

8. Match the correct statement to the following

Term

Expression

Equation

Inequality

$x + 5 > 2$

$5a + b$

$2y + 1 = 11$

x^2

9. Expand and simplify

$$(y - 3)(y - 4)$$

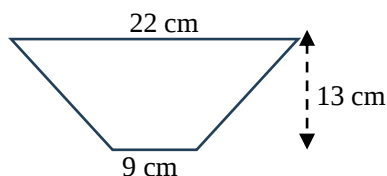
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10. Use your calculator to work out

$$\frac{\sqrt[3]{104 - 2.8^2}}{0.04}$$

.....

11. Work out the area of the trapezium.



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12. £1 = \$1.24

Convert

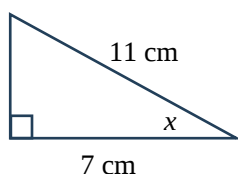
(a) £1200 into dollars

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(b) \$820 into pounds

.....

13. Work out the value of x .



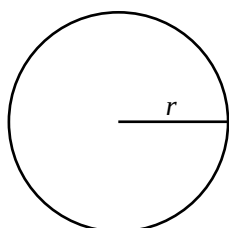
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14. The members of a running club have increased from 40 to 46 this year.

Work out the percentage increase.

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15. The area of the circle is 114 cm^2
Work out the radius of the circle.



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16. A cuboid has a volume of 800 cm^3

Work out the volume in m^3

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