

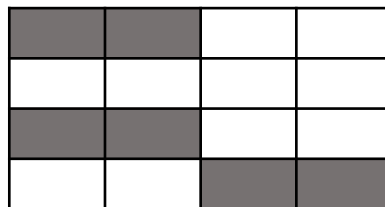
MATHS TEACHER HUB
GCSE Foundation revision sheet - 23

1. Simplify

$$4 \times a \times 6 \times a \times b$$

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2. What is the ratio of shaded : unshaded?



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3. How many minutes is $1\frac{3}{4}$ hours.

.....

4. Work out $\sqrt{196} - 7^2$

.....

5. Expand and simplify

$$9 + 3(2y - 1)$$

.....

6. Leo scored 21 out of 35 on his Geography exam.
What percentage is this?

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7. Simplify

$$\frac{45c^{12}}{9c^{-3}}$$

.....

8. Factorise

$$y^2 - 9$$

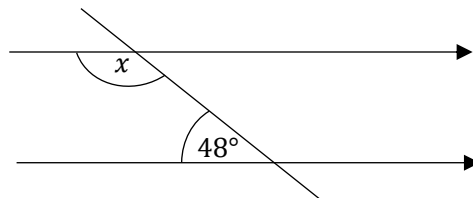
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9. Use your calculator to workout

$$\sqrt{\frac{1.4^5}{2.5 + 0.97}}$$

.....

10. Work out the value of x .
Give a reason for your answer



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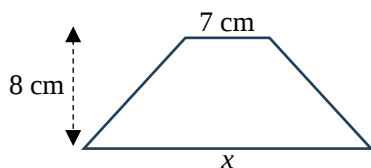
11. £1 = \$1.29
Jules went on vacation to the USA. On her return, she brought back \$125.
How much is this in £?

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12. A mountain bike has been reduced by 15%.
It is now priced at £663.
What was the original price?

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13. The area of this trapezium is 88cm^2



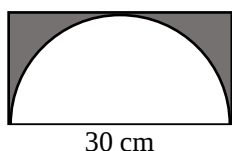
Work out the value of x .

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14. The density of steel is 7500kg/m^3
Work out the volume of a steel block with a 150kg.

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15. Below is a semi-circle in a rectangle.
Work out the area of the shaded section.



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16. Kasper placed £4500 into a compound interest savings account offering $x\%$.
After 3 years he had £4663.95 in the account.
Work out the value of $x\%$

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