

GCSE Foundation revision sheet - 11

1. What is the value of the 8.

182.54

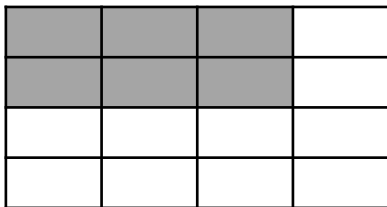
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2. Work out

$$\sqrt{169} - 3^2$$

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3. What is the ratio of shaded to unshaded?



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4. How many minutes is 330 seconds?

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5. George scored 18 out of 24 on his science test.
What percentage is this?

.....

6. Simplify

$$7 \times e \times 4 \times e \times e$$

.....

7. Factorise

$$16k - 20$$

.....

8. Simplify

$$\frac{a^5 b^9 c^8}{ab^3 c^{-1}}$$

.....

9. Expand and simplify

$$(x - 3)(x + 1)$$

.....

10. Use your calculator to work out

$$\sqrt[3]{5.3^2 \div 0.152}$$

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11. A computer console has been reduced by 20%.
It is now priced at £280.

What was the original price?

.....

12. £1 = 194 yen

Convert

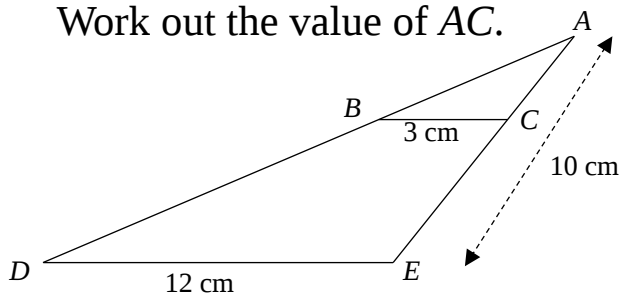
(a) £700 into yen

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(b) 3500 yen into pounds

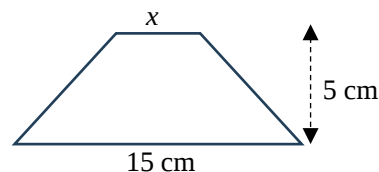
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13. The shapes below are similar.
Work out the value of AC.



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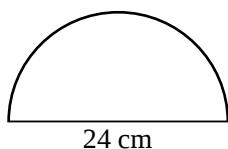
14. The area of this trapezium is 45cm^2



Work out the value of x.

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15. Work out the area of this semi-circle



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16. Work out the density of an iron bar with a mass of 820g and a volume of 125cm^3

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