

QT Quick Test 4E - Which Answer?



Non calculator

The answers to all the questions are below. To make it a little more challenging, no units are given, and the answers are in the wrong order :-)

12	25	-61	67
400	350	45	20
57	1080	241	13
10	23	60000	25
7	120	147	63
960	5		

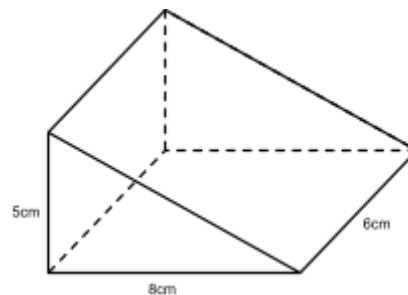
1. $\sqrt{64} + 7^2 =$

2. The mean of the following numbers:

14, 3, 14, 10, 9

3. How many sides does a regular dodecagon have?

4. Total volume of the prism



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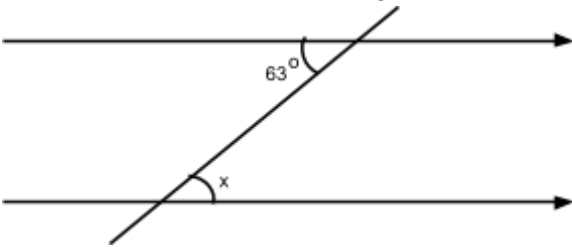
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<p>5. 4. A circle has a diameter of 14cm. Estimate the area of the circle. Use the value of π as 3.</p>	<p>6. $1\frac{5}{9} + 3\frac{24}{54} =$ Give your answer as a whole number.</p>
<p>7. $0.0004 \div 0.000016 =$</p>	<p>8. The first five terms of a sequence are</p> <p style="text-align: center;">34 29 24 19 14</p> <p>Find the value of the 20th term in the sequence.</p>
<p>9. Find the lowest common multiple (LCM) of 64 and 120.</p>	<p>10. Varsha is going on holiday to France. The exchange rate is $\text{£}1 = \text{€}1.4$. She changes $\text{£}250$ into Euros (€). Work out how many Euros Varsha receives. Give your answer to the nearest Euro.</p>

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<p>11. Write down the size of angle x.</p> 	<p>12. Work out the size of the exterior angle of a regular octagon.</p>
<p>13. Work out 134% of 180 to the nearest whole number.</p>	<p>14. Mr Smith wants to buy 108 packs of pens for his shop. Each pack costs £8.87 + VAT at 20%. Work out an estimate for the amount of money Mr Smith will spend on packs of pens.</p>
<p>15. Govin buys an original painting for £800. He sells the painting for £1000. Calculate the percentage profit Govin makes when he sells the painting.</p>	<p>16. Andy, Brian and Charlie share £750 in the ratio 2 : 5 : 8. Work out how much Charlie receives.</p>

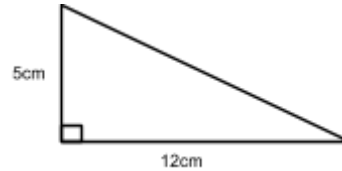
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17. 10 people take 8 days to paint a factory. How long will it take 4 people to do the same job?

18. Calculate the length of the hypotenuse in the following right angle triangle.



19. Convert $6m^2$ into cm^2

20. Cas uses a scale of 1:200 to make a model of a rocket. The height of the rocket is 46m. Work out the height of the model.

21. The mean of nine numbers is 62. The mean of three of the numbers is 52. What is the mean of the other six numbers?

22. Work out the value of x in the equation

$$5x + 3 = 38$$