
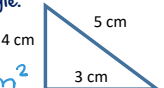


MARCH ... A LITTLE BIT OF MATHS EVERY DAY

JustMaths

<p>1 Convert the below fraction to a %</p> $\frac{3}{8} = 37.5\%$	<p>2 The hypotenuse of a right-angled triangle is 13 cm long. One of the other sides is 5 cm. How long is the third side?</p> <p>12cm</p>	<p>3 I have 6 red pens, 4 blue pens and 3 green pens. What fraction of the pens are green?</p> $\frac{3}{13}$	<p>4 What is the value of: $(\sqrt{3})^2$</p> <p>3</p>	<p>5 Without a calculator work out</p> $\pounds 2.37 \times 12$ $\pounds 28.44$	<p>6 Without a calculator</p> $\frac{3}{5} \times 420 = 252$	<p>7 Whats the smallest even number that can be used with the following digits?</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>5</td> <td>4</td> <td>8</td> <td>3</td> </tr> <tr> <td>3</td> <td>4</td> <td>5</td> <td>8</td> </tr> </table>	5	4	8	3	3	4	5	8										
5	4	8	3																					
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<p>8 How many numbers less than 100 can you list that are "one less than a square number"?</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td>1</td><td>4</td><td>9</td><td>16</td><td>25</td><td>36</td><td>49</td><td>64</td><td>81</td><td>100</td> </tr> <tr> <td>0</td><td>3</td><td>8</td><td>15</td><td>24</td><td>35</td><td>48</td><td>63</td><td>80</td><td>99</td> </tr> </table>	1	4	9	16	25	36	49	64	81	100	0	3	8	15	24	35	48	63	80	99	<p>9 Simplify</p> $2x^2 + 2x^2 = 4x^2$ $m \times m \times m + p + p = m^3 + 2p$	<p>10 Estimate</p> $\frac{8.6 \times \sqrt{64.99}}{4.34 \times 4.1}$ $\frac{8 \times \sqrt{64}}{4 \times 4} = \frac{8 \times 8}{4 \times 4} = 4$	<p>11 True or False?</p> <p>22 is a factor of 11</p> <p>False 22 is a multiple</p>	<p>12 The dimensions of a fish tank are 50 cm by 32 cm by 20 cm. The tank is three quarters full with water. How much water is in the tank?</p> 32000 cm^3 24000 cm^3
1	4	9	16	25	36	49	64	81	100															
0	3	8	15	24	35	48	63	80	99															
<p>15 Write 1111 in standard form</p> 1.111×10^3	<p>16 Write</p> $\pounds 16 : 80p : \pounds 2.40$ <p>in its simplest form</p> $1600 : 80 : 240$ $20 : 1 : 3$	<p>17 How many faces does a square based pyramid have?</p>  <p>5</p>	<p>18 Calculate:</p> $\frac{3}{4} \div \frac{4}{5} = \frac{15}{16}$	<p>19 Calculate the area of the triangle.</p>  <p>6 cm^2</p>	<p>20 A sequence of numbers is given as 2 7 12 17 22. Find the nth term of the sequence. $5n - 3$</p> <p>Explain how you know 876 is not in the sequence.</p> $5n - 3 = 876 \quad n = 879 = 175 \text{ R } 8$ $5n = 879$ <p>n is not a whole number</p>																			
<p>22 Write down the value of 32^0</p> <p>1</p>	<p>23 Solve</p> $5x - 2 > 6 + 3x$ $2x > 8$ $x > 4$	<p>24 Calculate:</p> $1\frac{3}{8} \times 2\frac{2}{5} = \frac{132}{40}$ $\frac{312}{340} = \frac{36}{20} = 3\frac{3}{10}$	<p>25 What is the value of n?</p> $5^7 \times 5^4 = 5^8$ $n = 4$	<p>26 Al, Bob and Cath share some money in the ratio 1:3:5. If Bob received £75 how much did they share?</p> $25 \times 9 = \pounds 225$	<p>27 $\frac{3}{5}$ of a number is 45. What is $\frac{1}{3}$ of the number?</p> $\frac{75}{45}$ <p>25</p>																			
<p>29 $r = 5 \text{ cm}$</p> <p>A circle with a diameter of 10cm is split into quarters. Calculate the area of one quarter?</p> $\frac{1}{4} \times 25\pi = 16.6 \text{ cm}^2$	<p>30 Write 32×10^6 in standard form</p> 3.2×10^7	<p>31 What number is halfway between -4 and 11?</p> <p>3.5</p>	<h2>REMEMBER: The best way to revise maths is to "do Maths"!</h2>																					