



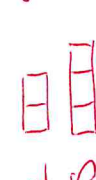


<p>Which number is three more than 2?</p> $2 + 3 = 5$	<p>Convert <math>2\frac{2}{3}</math> into an improper fraction.</p> $\frac{2 \times 3 + 2}{3} = \frac{8}{3}$   	<p>What is <math>0.3 \times 0.2</math> = <math>0.06</math></p> $3 \times 2 = 6$	<p>Work out <math>23 \times 57</math></p> $\begin{array}{r} 23 \\ \times 57 \\ \hline 161 \\ 1150 \\ \hline 1311 \end{array}$
<p>Work out half of 46</p> $46 \div 2 = 23$	<p>Work out <math>12 + 35 + 29</math></p> $\begin{array}{r} 12 \\ 35 \\ 29 \\ \hline 76 \end{array}$	<p>What is <math>-6 + 5</math>?</p> $-1$	<p>What is <math>\pounds 12.89 - \pounds 4.62</math>?</p> $\begin{array}{r} 12.89 \\ -4.62 \\ \hline 8.27 \end{array}$
<p>25% of 240</p> $240 \div 4 = 60$	<p>What is <math>678 - 149</math>?</p> $\begin{array}{r} 678 \\ -149 \\ \hline 529 \end{array}$	<p>What is 15 multiplied by 6?</p> $\begin{array}{r} 15 \\ \times 6 \\ \hline 90 \end{array}$	<p><math>\frac{2}{5} + \frac{1}{5}</math></p> $\frac{3}{5}$
<p><math>3.6 + 2.98 - 1.81</math></p> $\begin{array}{r} 3.60 \\ 2.98 \\ -1.81 \\ \hline 4.77 \end{array}$	<p><math>13087 \div 23</math></p> $\begin{array}{r} 00569 \\ 23 \overline{)13087} \\ \underline{23} \phantom{00} \\ 00569 \\ \underline{23} \phantom{00} \\ 0087 \\ \underline{23} \phantom{00} \\ 161 \end{array}$	<p><math>\frac{2}{8} + \frac{3}{4} = \frac{1}{4} + \frac{3}{4} = 1</math></p>	<p>Work out <math>2 + 3 \times 2 + 4</math></p> $2 + 6 + 4 = 12$

Reasoning and Problem solving. Use extra paper if you cannot fit your answer on the sheet.

<p>Des has two bags of sweets.</p> <p>Each bag contains only lime and strawberry sweets.</p> <p>There are 20 sweets in each bag.</p> <ul style="list-style-type: none"> <li>• In the first bag there is 1 lime sweet for every 3 strawberry.</li> <li>• In the second bag there are 2 lime sweets for every 3 strawberry.</li> </ul> <p>How many more lime sweets are there in the second bag?</p>	<p>ANSWER – remember to show your reasoning</p> <p>Bag 1:  Sweets can be grouped in 4s  <math>20 \div 4 = 5</math> groups          so 5 lime sweets in bag 1</p> <p>Bag 2:  Sweets can be grouped in 5s  <math>20 \div 5 = 4</math> groups          so <math>4 \times 2 = 8</math> lime sweets in bag 2</p> <p><u>8</u></p>
<p>Here is a square.</p> <p>Inside the square is an equilateral triangle.</p> <p>The perimeter of the triangle is 54cm.</p> <p>Find the perimeter of the square.</p>	<p>ANSWER – remember to show your reasoning</p> <p>side of <math>\triangle = 54 \div 3 = 18</math> cm</p> <p>side of square = 18 cm</p> <p>perimeter of square = <math>4 \times 18 = 62</math> cm</p>
<p>Mrs Jones has £20 to spend on presents.</p> <p>She buys 4 mugs and 3 teddy bears.</p> <p>What is the greatest number of key-rings she can buy?</p>	<p>ANSWER – remember to show your reasoning</p> <p>4 mugs cost <math>4 \times 2.45 = \pounds 9.80</math></p> <p>3 bears cost <math>3 \times 1.80 = \pounds 5.40</math></p> <p>Amount spent so far <math>\pounds 15.20</math></p> <p>Amount left <math>\pounds 20 - \pounds 15.20 = \pounds 4.80</math></p> <p><math>4.80 \div 95 = 5.05...</math>          can buy 5 key-rings.</p>
<p>Work out the missing values</p> <p><math>\frac{2}{5}</math> of 30 = 3 <input type="text"/></p> <p><math>\frac{7}{10}</math> of 30 = <math>\frac{3}{4}</math> of <input type="text"/></p>	<p>ANSWER – remember to show your reasoning</p> <p><math>\frac{1}{5}</math> of 30 = 6 so <math>\frac{2}{5}</math> of 30 = 12          missing number = 4</p> <p><math>\frac{1}{10}</math> of 30 = 3 so <math>\frac{7}{10}</math> of 30 = 21  <math>\frac{3}{4}</math> of <input type="text"/> = 21          missing number = 28</p>