

| | | | |
|---|--|---|---|
| <p>Which number is three more than 2?</p> $2 + 3 = 5$ | <p>Convert $2\frac{2}{3}$ into an improper fraction.</p> $2 \times 3 + 2 = \frac{8}{3}$ | <p>What is 0.3×0.2</p> $3 \times 2 = 6$ $0.3 \times 0.2 = 0.06$ | <p>Work out 23×57</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 $12 + 35 + 29$</p> $\begin{array}{r} 12 \\ + 35 \\ + 29 \\ \hline 76 \end{array}$ | <p>What is $-6 + 5$?</p> $-6 + 5 = -1$ | <p>What is $\pounds 12.89 - \pounds 4.62$?</p> $\begin{array}{r} \pounds 12.89 \\ - \pounds 4.62 \\ \hline \pounds 8.27 \end{array}$ |
| <p>25% of 240</p> $\begin{array}{l} 10\% = 24 \\ 10\% = 24 \\ 5\% = 12 \\ \hline 25\% = 60 \end{array}$ | <p>What is $678 - 149$?</p> $\begin{array}{r} 678 \\ - 149 \\ \hline 529 \end{array}$ | <p>What is 15 multiplied by 6?</p> $15 \times 6 = 90$ | $\frac{2}{5} + \frac{1}{5}$ $\frac{2+1}{5} = \frac{3}{5}$ |
| <p>$3.6 + 2.98 - 1.81$</p> $\begin{array}{r} 3.60 \\ + 2.98 \\ \hline 6.58 \\ - 1.81 \\ \hline 4.77 \\ = 4.77 \end{array}$ | <p>$13087 \div 23$</p> $\begin{array}{r} 00569 \\ 23 \overline{)13087} \\ \underline{46} \\ 69 \\ \underline{92} \\ 184 \\ \underline{184} \\ 0000 \end{array} = 569$ | $\frac{2}{8} + \frac{3}{4}$ $= \frac{2}{8} + \frac{6}{8} = \frac{8}{8} = 1$ | <p>Work out $2 + 3 \times 2 + 4$</p> $2 + 6 + 4 = 12$ |

| | |
|--|--|
| <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"> • In the first bag there is 1 lime sweet for every 3 strawberry. • In the second bag there are 2 lime sweets for every 3 strawberry. <p>How many more lime sweets are there in the second bag?</p> | <p>ANSWER – remember to show your reasoning</p> <p>Bag 1 : $L \begin{array}{ c } \hline 5 \\ \hline \end{array} = 5$ } 20 sweets $\div 4$ $S \begin{array}{ c } \hline 5 \\ \hline \end{array} = 15$ } = 5 in each bag</p> <p>Bag 2 : $L \begin{array}{ c } \hline 4 \\ \hline \end{array} = 8$ } 20 sweets $\div 5$ $S \begin{array}{ c } \hline 4 \\ \hline \end{array} = 12$ } = 4 in each bag</p> <p>$8 - 5 = 3$ more lime in bag 2</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>$54 \div 3 = 18$ so each side of the triangle is 18cm</p> <p>perimeter of square = 4×18 $= 72\text{cm}$</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 : $4 \times £2.45 = £9.80$ she can buy 5 3 teddy : $3 \times £1.80 = £5.40$ total spent so far : $£15.20$ money left from £20 : $£4.80$ key rings : 95p, £1.90, £2.85, £3.80, £4.75</p> |
| <p>Work out the missing values</p> <p>$\frac{2}{5}$ of 30 = $3 \times \square$</p> <p>$\frac{7}{10}$ of 30 = $\frac{3}{4}$ of \square</p> | <p>ANSWER – remember to show your reasoning</p> <p>$\frac{1}{5}$ of 30 = 6 so $\frac{2}{5}$ of 30 = 12 $3 \times 4 = 12$ so missing number is 4</p> <p>$\frac{1}{10}$ of 30 = 3 so $\frac{7}{10}$ of 30 = 21 $\frac{7}{10} \times \square = 21$ so missing number is 28</p> |