

GO!	RATIO	1F
Simplify 9 : 42	A	Ruth has 96 cubes & 56 spheres. Express this as the ratio <i>cubes : spheres</i>
Carl & Ken share some money in the ratio 5 : 9. Express the money Ken got as a fraction.	C	$a : b : c = 17 : 2 : 1$ Describe a as a percentage of the whole.
Divide 121 into the ratio 9 : 2	E	Divide 1.8 kg into the ratio 5 : 1
x is divided into the ratio 3 : 4. The larger share is 84. How much is the smaller share?	G	£ y is divided into the ratio 5 : 8. The larger share is £2.10 greater. How much money is there in total?
Express 4 : 9 in the form 1 : n	I	$a : b = 2 : 5$ $a : c = 4 : 1$ Express the ratio $a : b : c$

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<p>Simplify 9 : 42</p> $\begin{array}{r} \div 3 \qquad \div 3 \\ 9 : 42 \\ \hline = 3 : 14 \end{array}$	<p>A Ruth has 96 cubes & 56 spheres. B Express this as the ratio <i>cubes : spheres</i></p> $96 : 56 = 12 : 7$
<p>Carl & Ken share some money in the ratio 5 : 9. Express the money Ken got as a fraction.</p> $\frac{9}{14}$	<p>C $a : b : c = 17 : 2 : 1$ D Describe a as a percentage of the whole.</p> $\frac{17}{20} = \frac{85}{100} = 85\%$
<p>Divide 121 into the ratio 9 : 2</p> $\begin{array}{r} 9 + 2 = 11 \\ 121 \div 11 = 11 \\ 99 \text{ \& } 22 \end{array}$	<p>E Divide 1.8 kg into the ratio 5 : 1 F $5 + 1 = 6$ $1800 \text{ g} \div 6 = 300 \text{ g}$ $1.6 \text{ kg} \text{ \& } 300 \text{ g}$</p>
<p>x is divided into the ratio 3 : 4. The larger share is 84. How much is the smaller share?</p> $\begin{array}{r} 84 \div 4 = 21 \\ 3 \times 21 = 63 \end{array}$	<p>G $£y$ is divided into the ratio 5 : 8 H The larger share is £2.10 greater. How much money is there in total?</p> $\begin{array}{r} 8 - 5 = 3 \\ £2.10 \div 3 = 70\text{p} \\ 13 \times 70 = 910 = £9.10 \end{array}$
<p>Express 4 : 9 in the form 1 : n</p> $1 : \frac{9}{4}$	<p>I $a : b = 2 : 5$ J $a : c = 4 : 1$ Express the ratio $a : b : c$</p> $4 : 10 : 1$