

GO!	RATIO	1B
Simplify 72 : 42	A	Paolo has 27 cubes & 39 spheres. B Express this as the ratio <i>cubes : spheres</i>
Dan & Dave share some sweets in the ratio 2 : 7. Express the sweets Dan got as a fraction.	C	$a : b : c = 2 : 1 : 2$ D Describe $a$ as a percentage of the whole.
Divide 96 into the ratio 3 : 5	E	Divide 2 kg into the ratio 1 : 4 F
$x$ is divided into the ratio 9 : 4. The larger share is 81. How much is the smaller share?	G	£ $y$ is divided into the ratio 2 : 7 H The larger share is £3 greater. How much money is there in total?
Express 5 : 1 in the form 1 : $n$	I	$a : b = 1 : 2$ J $a : c = 3 : 4$ Express the ratio $a : b : c$

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<p>Simplify <math>72 : 42</math></p> $\begin{array}{r} \div 6 \\ \div 6 \\ \hline = 12:7 \end{array}$	<p>A Paolo has 27 cubes &amp; 39 spheres. B Express this as the ratio <i>cubes : spheres</i></p> $27:39 = 9:13$
<p>Dan &amp; Dave share some sweets in the ratio <math>2 : 7</math>. Express the sweets Dan got as a fraction.</p> $\frac{2}{9}$	<p>C <math>a : b : c = 2 : 1 : 2</math> D Describe <math>a</math> as a percentage of the whole.</p> $\frac{2}{5} = \frac{40}{100} = 40\%$
<p>Divide 96 into the ratio <math>3 : 5</math></p> $\begin{array}{r} 3 + 5 = 8 \\ 96 \div 8 = 12 \\ 36 \text{ \& } 60 \end{array}$	<p>E Divide 2 kg into the ratio <math>1 : 4</math> F <math>1 + 4 = 5</math> <math>2000 \text{ g} \div 5 = 400 \text{ g}</math> <math>400 \text{ g} \text{ \&amp; } 1.6 \text{ kg}</math></p>
<p><math>x</math> is divided into the ratio <math>9 : 4</math>. The larger share is 81. How much is the smaller share?</p> $\begin{array}{r} 81 \div 9 = 9 \\ 9 \times 4 = 36 \end{array}$	<p>G <math>£y</math> is divided into the ratio <math>2 : 7</math> H The larger share is £3 greater. How much money is there in total?</p> $\begin{array}{r} 7 - 2 = 5 \\ £3 \div 5 = 60\text{p} \\ 9 \times 60 = 540 = £5.40 \end{array}$
<p>Express <math>5 : 1</math> in the form <math>1 : n</math></p> $1 : \frac{1}{5}$	<p>I <math>a : b = 1 : 2</math> J <math>a : c = 3 : 4</math> Express the ratio <math>a : b : c</math></p> $3 : 6 : 4$