

GO!	RATIO	1G
Simplify 35 : 77	A	Kane has 56 triangles & 80 circles. B Express this as the ratio <i>triangles : circles</i>
Ann & Amy share some sweets in the ratio 3 : 8 Express the sweets Amy got as a fraction.	C	$a : b : c = 3 : 20 : 2$ D Describe a as a percentage of the whole.
Divide 52 into the ratio 6 : 7	E	Divide 8 km into the ratio 7 : 3 F
x is divided into the ratio 5 : 6 The smaller share is 45. How much is the larger share?	G	y litres of soda is divided into the ratio 5 : 7 H The larger share is 700 ml greater. How large is the smaller share?
Express 5 : 11 in the form 1 : n	I	$a : b = 2 : 9$ J $a : c = 1 : 3$ Express the ratio $a : b : c$

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<p>Simplify 35 : 77</p> $\begin{array}{r} \div 7 \qquad \div 7 \\ 35 : 77 \\ \hline = 5 : 11 \end{array}$	<p>A Kane has 56 triangles & 80 circles. B Express this as the ratio <i>triangles : circles</i></p> $56 : 80 = 7 : 10$
<p>Ann & Amy share some sweets in the ratio 3 : 8. Express the sweets Amy got as a fraction.</p> $\frac{8}{11}$	<p>D $a : b : c = 3 : 20 : 2$ Describe a as a percentage of the whole.</p> $\frac{3}{25} = \frac{12}{100} = 12\%$
<p>Divide 52 into the ratio 6 : 7</p> $\begin{array}{r} 6 + 7 = 13 \\ 52 \div 13 = 4 \\ 24 \text{ \& } 28 \end{array}$	<p>E Divide 8 km into the ratio 7 : 3 F</p> $\begin{array}{r} 7 + 3 = 10 \\ 8000 \text{ m} \div 10 = 800 \text{ m} \\ 5.6 \text{ km \& } 2.4 \text{ km} \end{array}$
<p>x is divided into the ratio 5 : 6. The smaller share is 45. How much is the larger share?</p> $\begin{array}{r} 45 \div 5 = 9 \\ 9 \times 6 = 54 \end{array}$	<p>G y litres of soda is divided into the ratio 5 : 7 H The larger share is 700 ml greater. How large is the smaller share?</p> $\begin{array}{r} 7 - 5 = 2 \\ 700 \text{ ml} \div 2 = 350 \\ 350 \times 5 = 1750 = 1.75 \text{ L} \end{array}$
<p>Express 5 : 11 in the form 1 : n I</p> $1 : \frac{11}{5}$	<p>J $a : b = 2 : 9$ $a : c = 1 : 3$ Express the ratio $a : b : c$</p> $2 : 9 : 6$