

GO!	RATIO	1H
Simplify 30 : 54	A	Rae has 36 red & 27 blue spheres. B Express this as the ratio <i>red : blue</i>
Jane eats $\frac{2}{5}$ of some cookies. Express the ratio <i>eaten : not eaten</i>	C	$a : b : c = 5 : 7 : 8$ D Describe <i>a</i> as a percentage of the whole.
Divide 55 into the ratio 8 : 3	E	Divide £2 into the ratio 11 : 9 F
<i>x</i> is divided into the ratio 11 : 4 The smaller share is 28. How much is the larger share?	G	£ <i>y</i> is divided into the ratio 5 : 9 H The larger share is £2 greater. How large is the larger share?
Express 5 : 6 in the form 1 : <i>n</i>	I	$a : b = 2 : 7$ J $a : c = 1 : 5$ Express the ratio <i>a : b : c</i>

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<p>Simplify 30 : 54</p> $\begin{array}{l} \div 6 \qquad \div 6 \\ \\ = 5:9 \end{array}$	<p>A Rae has 36 red & 27 blue spheres. B Express this as the ratio <i>red : blue</i></p> $36:27 = 4:3$
<p>Jane eats $\frac{2}{5}$ of some cookies. Express the ratio <i>eaten : not eaten</i></p> $2:3$	<p>C $a : b : c = 5 : 7 : 8$ D Describe <i>a</i> as a percentage of the whole.</p> $\frac{5}{20} = \frac{25}{100} = 25\%$
<p>Divide 55 into the ratio 8 : 3 E</p> $\begin{array}{l} 8 + 3 = 11 \\ 55 \div 11 = 5 \\ \\ 40 \text{ \& } 15 \end{array}$	<p>F Divide £2 into the ratio 11 : 9 $11 + 9 = 20$ $\pounds 200 \div 20 = 10\text{p}$ $\pounds 1.10 \text{ \& } 90\text{p}$</p>
<p>G <i>x</i> is divided into the ratio 11 : 4 The smaller share is 28. How much is the larger share?</p> $\begin{array}{l} 28 \div 4 = 7 \\ \\ 11 \times 7 = 77 \end{array}$	<p>H <i>£y</i> is divided into the ratio 5 : 9 The larger share is £2 greater. How large is the larger share?</p> $\begin{array}{l} 9 - 5 = 4 \\ 200 \div 4 = 50\text{p} \\ 9 \times 50 = 450 = \pounds 4.50 \end{array}$
<p>I Express 5 : 6 in the form 1 : <i>n</i></p> $1 : \frac{6}{5}$	<p>J $a : b = 2 : 7$ $a : c = 1 : 5$ Express the ratio <i>a : b : c</i></p> $2 : 7 : 10$