## CHECK-UP TEST | Number and geometry

A		al fractions. When r	-		st second place.		_	_	
	a <sup>4</sup> / <sub>5</sub>	-		$C \frac{2}{3}$	0.67	d	<u>7</u> <u>0</u> .	<u>88</u> e $\frac{5}{7}$	0.71
B	$\frac{1}{3} + \frac{1}{2} = \frac{1}{4} + \frac{1}{6} = \frac{5}{8} + \frac{3}{4} = \frac{3}{10} + 1\frac{1}{2} = \frac{3}{10}$	$\begin{array}{c c} & \frac{5}{6} & \frac{1}{2} - \\ & \frac{5}{12} & \frac{3}{4} - \\ & \frac{3}{18} & 3 - \\ & \frac{14}{5} & 2\frac{1}{4} - \end{array}$	$\frac{\frac{1}{6}}{\frac{2}{3}} = \frac{1}{\frac{7}{12}} = \frac{1}{\frac{7}{8}} = \frac{1}{8}$	$ \begin{array}{r} 1 \\ 3 \\ 12 \\ 5 \\ 112 \\ 12 \\ 3 \\ 8 \end{array} $	$\begin{array}{c} \frac{2}{3} \times 12 = \\ 10 \times 1\frac{2}{5} = \\ 1\frac{7}{10} \times 20 = \\ 40 \times \frac{3}{8} = \end{array}$		8 14 34 15	Express as mixed <sup>137</sup> / <sub>10</sub> 93 ÷ 8 124 ÷ 9	numbers. 13 <sup>7</sup> /15 11 <sup>5</sup> /13 13 <sup>7</sup> /13
C		n in its simplest for							
		$\frac{6}{50} \qquad b \frac{28}{40}$ se scales as a fractio	70%	C 45/100	45%	d	<sup>24</sup> / <sub>32</sub> 75	<u>5%</u> e $\frac{30}{50}$	60%
	a 1mm to 20cm	200	<b>b</b> 1	lcm to 5m		<u>1</u> 500	<mark>c</mark> 1cm	n to 1km	<u>1</u> 100000
D	Fill in the table. The first example is done for you.								
		fraction (simplest form)	percentage (%)	ratio		(9	fraction simplest form	m) percentage	ratio
	40p of 50p	<u>4</u> 5	80%	4:5	50cm of 2	2m	<u>1</u> 4	25%	1:4
	300g of 0.5kg	<u>3</u> 5	60%	3:5	750g of 1.	.5kg	<u>1</u> 2	50%	1:2
	700ml of 1l	<u>7</u> 10	70%	7:10	250 of 40	0	<u>5</u> 8	62.5%	5:8
	5p of £1	$\frac{1}{20}$	5%	1:20	35p of £5	,	7 100	7%	7:100
G	5 cost $-\frac{1}{5}$ 7 cost: $-\frac{1}{6}$ 0.75 of 600 $450$ $\frac{3}{4}$ is 57         2 cost $\frac{2}{5}$ 8 cost? $\frac{8}{5}$ 60% of $\frac{1}{2}$ kg       300g       10% is         10 cost f3.50. What fraction of f3.50 do       0.9 of 2l       1.81       0.6 is 4         9 cost $\frac{9}{10}$ 15 cost? $\frac{3}{2}$ 50% of 3m 70cm       1m 85cm $\frac{5}{8}$ is 2.9         Share each quantity in the given ratio.       15 cost? $\frac{3}{2}$ 0.95 of 10 000       9500       0.375         1.75kg, ratio 4:1       1.4kg       350g       17% of f3.00       51p $\frac{7}{10}$ is 9         2m, ratio 5:3       125 cm       75 cm $\frac{3}{9}$ of 1.8kg.       1kg       5% is							0.25 is $\pm 3.50$ $\frac{3}{4}$ is 57cm 10% is 850g 0.6 is 42p $\frac{5}{8}$ is 2.5kg 30% is 1.8l 0.375 is 300 $\frac{7}{10}$ is 91p 5% is 200g. acute angle of 80° eflex angle of 240°	
(†)		rked x and/or y in e 105° $\angle x$ 43° $\angle y$ Fill in the table for name of regular polygo hexagon	35° 55° r regular polyg number	$\begin{array}{c c} \mathcal{L} x \\ \hline x \\ 120^{\circ} \\ \hline \text{ons.} \\ \hline at cent \\ \hline 60 \\ \end{array}$	re in	$ \begin{array}{c} \angle x \\ \angle y \end{array} $ hat fracticic A,	$\sqrt{115^\circ}$ on of the circ	$\begin{array}{c c} 115^{\circ} \\ 65^{\circ} \\ \hline \\ y \\ \hline \\ y \\ \hline \\ x \\ \hline \\ B \\ \hline \\ B \\ \hline \\ B \\ \hline \\ B \\ \hline \\ C \\ C$	40° 40°
		octagon	8	45	•	120	>//	36° У	A $\frac{1}{3}$
		pentagon	5	72	0	$\overline{\ }$	У	×	$\begin{array}{c} A & \frac{1}{3} \\ B & \frac{1}{10} \end{array}$