Mental Arithmetic 4 Answers

CHECK-UP TEST | Number

A	Fill in the missing r					21		5	15	2	4 4	0	3	30	
	$\frac{3}{4} = \frac{12}{16}$	$\frac{7}{8} = \frac{21}{24}$			$\frac{1}{6} = \frac{1}{18}$		$\frac{4}{5} = \frac{40}{50}$			10	$=\frac{30}{100}$				
	Write each fraction in its simplest form.														
	$\frac{9}{12} = \frac{3}{4}$	$\frac{20}{25} = \frac{4}{5}$			$\frac{24}{30} =$	<u>4</u> 5	$\frac{70}{100} = \frac{7}{10}$			<u>45</u> 100	$\frac{9}{20} = \frac{9}{20}$				
	Change each improper fraction to a mixed number.														
	$\frac{19}{4} = 4\frac{3}{4}$	$\frac{31}{5} = 6\frac{1}{5}$				$\frac{43}{8} = 5\frac{3}{8}$			$4\frac{5}{6}$	$\frac{77}{10} = 7\frac{7}{10}$			<u>40</u> 3	$= 13\frac{1}{3}$	
	Change each mixe	d numb	oer to an	improp	er fraction.										
									<u>97</u> 10	$4\frac{7}{8} = \frac{\frac{39}{8}}{\frac{8}{8}}$			$10\frac{5}{6} = \frac{65}{6}$		
B	Write as a fraction	C Find					Find the whole when			1					
	50 of 75			$\frac{\frac{2}{3}}{\frac{3}{10}}$	35	of 70		42			35		210		
	30p of £1.00			$\begin{array}{c c} \frac{3}{10} & \frac{5}{8} \text{ of } 64 \\ \frac{1}{4} & \frac{7}{10} \text{ of } \text{f } 1.2 \\ \frac{2}{5} & \frac{5}{6} \text{ of } 42l \\ \frac{7}{10} & \frac{4}{7} \text{ of } 350g \end{array}$				40			$\frac{3}{4}$ is 27p			<u> </u>	
	25cm of 1m	7/10 of £1.20				84 p	$\frac{4}{5}$ is 36cm				45 cm				
	12kg of 30kg	5/6 of 421				35l	$\frac{7}{10}$ is £1.40			£Z	2.00				
	70 of 100	4/7 of 350g				200g	$\frac{2}{3}$ is 800g				1200g				
	800g of 1kg	$\frac{13}{100}$ of £1.00				13 p	5 9 is 5	$\frac{5}{9}$ is 5000			9000				
	400ml of 2l			$ \begin{array}{r} \frac{4}{5} \\ \frac{1}{5} \\ \frac{9}{20} \end{array} $	<u>2</u> 3	of 1200	C		800	$\frac{3}{8}$ is 2	$\frac{3}{8}$ is 24l			64l	
	45 of 100	<u> </u>				35 100 of 1kg.			<u>350g</u>				٤	1.00	
	a 0.65 65% b 0.38 38% c 0.75 75% d 0.3 30 a $\frac{29}{100}$ 29% b $\frac{56}{100}$ 56% c $\frac{1}{100}$ 1% d $\frac{13}{100}$ 13 Change each fraction first to hundredths, then write it as a percentage. a $\frac{19}{50} = \frac{38}{100} = \frac{38\%}{100} = \frac{38\%}{25} = \frac{12}{100} = \frac{12\%}{100} = \frac{12\%}{20}$ c $\frac{13}{20} = \frac{65}{100} = \frac{65}{100} = \frac{65}{100}$ a $\frac{3}{4} = \frac{75}{100} = \frac{75\%}{100}$ b $\frac{4}{5} = \frac{80}{100} = \frac{80\%}{100}$ c $\frac{7}{10} = \frac{70}{100} = \frac{70}{100} = \frac{70}{100}$ Fill the blank spaces in each of the columns. The first is done for you.													45% 30% 13% 65% 70%	
		а	b	c	d	e	f	g	h	i	j	k	1	m	
	Fraction in its simplest form	<u>1</u> 2	$\frac{1}{4}$	<u>3</u> 4	<u>1</u> 5	<u>2</u> 5	<u>3</u> 5	<u>4</u> 5	<u>1</u> 10	<u>3</u> 10	7 10	<u>9</u> 10	$\frac{1}{20}$	<u>1</u> 100	
	Decimal fraction	0.5	0.25	0.75	0.2	0.4	0.6	0.8	0.1	0.3	0.7	0.9	0.05	0.01	
	Percentage	50%	25%	75%	20%	40%	60%	80%	10%	30%	70%	90%	5%	1%	
E	Find the value of 25% of 120 50% of 35 75% of 400 10% of 1000 30% of 90 70% of 200 90% of 160 20% of 95p 40% of £20	d the value of % of 14p % of £6.50 0% of 93p % of 2.5kg 6 of 4l % of 2m 6 of £1.00 6 of £1.00 6 of £3.00			2(7p 93p 250g 00ml 0cm 1p 7p 9p	Find as a percentage 6 of 24 $7\frac{1}{2} \text{ of } 15$ 40p of 50p 93p of 93p $200g \text{ of } \frac{1}{2}kg$ 700ml of 1l 25p of £2.50 £1.50 of £2.00 7p of £1.00			ge 	25% 50% 80% 100% 40% 70% 10% 75% 7%				
	60% of £15.	% of £9.00.			£1.08		30cm of 1.5m.				20%				