## **Percentage of Amounts Homework**



Literacy	Research	Memory	
<b>'%'</b> means 'out of a hundred'	Find out what rate of interest each of	• Learn the common percentage to	
Eg:	these lenders charges customers:	fraction conversions. This will save	
$200(-\frac{20}{-1})$	(the first one has been done for you)	time for easy and hard questions.	
$20\% - \frac{100}{100} - \frac{1}{5}$	Sainsbury's Standard loan (£7.5k-£15k)	$100\% - 1$ $20\% = \frac{1}{5}$	
	Bank Loan 4.1%		
' <b>of</b> ' means '×'	Credit Card	$75\% = \frac{5}{4}$ $10\% = \frac{1}{10}$	
Eg:	Wonga	$50\% = \frac{1}{2}$ $5\% = \frac{1}{2}$	
1 - 40	Payday Loan	2 20	
$20\%0140 = \frac{1}{5} \times 40 = \frac{1}{5} = 8$	These should be given as APR (Annual Percentage Rate)	$25\% = \frac{1}{4}$ $1\% = \frac{1}{100}$	
	Stretch		
Convert % to fractions to find:	5) $10\% of \pm 14 =$	Using a similar method to question 8:	
1) $50\% \ of \ £30 =$		1) $27\% \ of \ 40 kg =$	
	6) $30\% of \pm 14 =$		
2) 5% of £90 =		2) 99% of \$12 =	
	7) 5% of £14 =		
3) $20\% \ of \ 35kg =$		Extra challenge:	
	8) Use the answers above to find:	3) If $16\% \ of \ 47g = 7.52g$ ,	
4) $75\% \ of \ 600 \ cm =$	35% of £14 =	Find the value of $47\% \ of \ 16g$ .	

You need to **read** and **learn** the *Literacy* and *Memory* sections, **look up** answers to the *Research* section, **answer all** questions from the *Skills* section, and (unless you have already spent more than 45 minutes on this homework) **attempt** the *Stretch* section. Answers can be written on the sheet or in your book if you need more space.

## Percentage of Amounts Homework SOLUTIONS



Literacy	Research		Memory	
<b>'%'</b> means 'out of a hundred'	Find out what rate of interest each of		• Learn the common percentage to	
Eg:	these lenders charges customers:		fraction conversions. This will save	
$2004 - \frac{20}{20} - \frac{1}{20}$	(the first one has been done for you)		time for easy and hard questions.	
$20\% = \frac{100}{100} = \frac{1}{5}$	Sainsbury's Bank Loan	Standard loan (£7.5k-£15k) <b>4.1%</b>	100% = 1	$20\% = \frac{1}{5}$
' <b>of</b> ' means '×'	Tesco Crodit Card	Credit limit: £1200	$75\% = \frac{3}{4}$	$10\% = \frac{1}{10}$
Eg:	Wonga Pavday Loan	Short term: £150, 18 days	$50\% = \frac{1}{2}$	$5\% = \frac{1}{20}$
$20\% of \ 40 = \frac{1}{5} \times 40 = \frac{40}{5} = 8$	These should b	e given as APR (Annual Percentage Rate)	$25\% = \frac{1}{4}$	$1\% = \frac{1}{100}$
Skills			Stretch	
Convert % to fractions to find: 1) $50\% of \pm 30 =$	5) 10% <i>of</i> £1	$4 = \frac{1}{10} \times 14 = \text{£1.40}$	Using a similar method to question 8: 1) $27\% of 40kg =$	
$\frac{1}{2} \times 30 = \text{\pounds}15$ 2) 5% of £90 =	6) 30% of £14 = $\frac{3}{10} \times 14 = $ £4. 20		$3 \times 10\% of 40 - 3 \times 1\% of 40$ = 3 × 4 - 3 × 0.4 = 12 - 1.2 = <b>10</b> .8kg	
$\frac{1}{20} \times 90 = \text{\pounds4.50}$ 3) 20% of 35kg =	7) 5% of £14 = $\frac{1}{20} \times 14 = $ £0.70		2) 99% of $$12 =$ 100% of $12 - 1\%$ of $12$ = 12 - 0.12 = \$11.88	
$\frac{1}{5} \times 35 = 7kg$ 4) 75% of 600cm = $\frac{3}{4} \times 600 = 450cm$	8) Use the answers above to find: $35\% \ of \ \pounds 14 =$ $30\% \ of \ \pounds 14 + 5\% \ of \ \pounds 14$ $= \ \pounds 4.20 + \ \pounds 0.70 = \ \pounds 4.90$		Extra challenge: 3) If 16% of 47g = 7.52g, Find the value of 47% of 16g. $\frac{47}{100} \times 16 = \frac{16}{100} \times 47 = 7.52g$	
Simplify your answers wh				

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