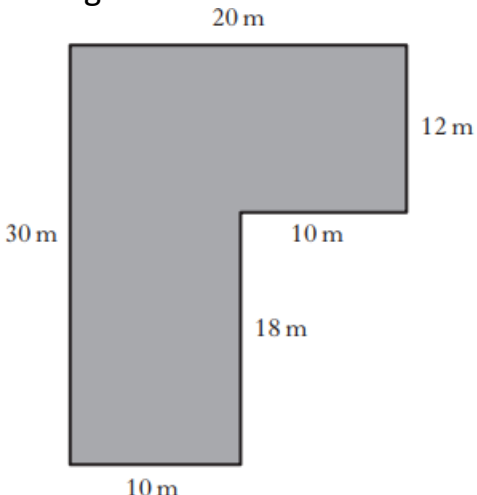
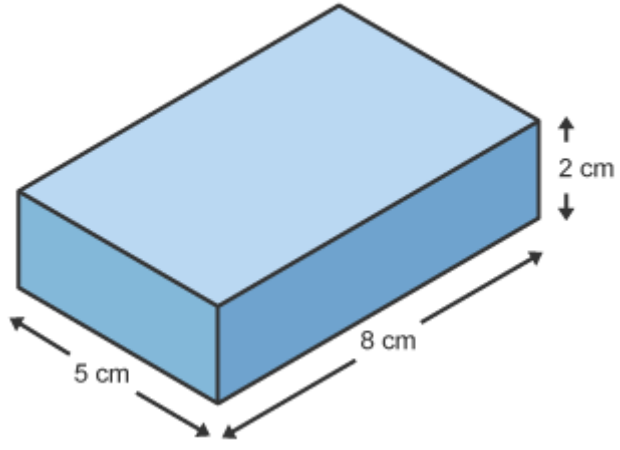


Practice for the Level 3 Block 2 Test Non-Calculator

1	Calculate (a) 20% of £320 (b) 40% of £125	2
2	Of the 20 adults living in a street, 13 of these voted in the last election. Change this into a percentage of adults who voted.	2
3	What percentage is the same as one fifth?	1
4	On a school trip there are 120 pupils. 70% of these pupils brought money to buy their lunch and the rest brought a packed lunch. How many pupils have a packed lunch?	2
5	Calculate (a) $\frac{2}{7} + \frac{1}{7}$ (b) $\frac{14}{15} - \frac{7}{15}$ (c) $\frac{2}{5} + \frac{1}{4}$	4
6	Change the following into mixed fractions (a) $\frac{7}{2}$ (b) $\frac{11}{4}$	2
7	Change the following into improper fractions (a) $3\frac{1}{4}$ (b) $2\frac{3}{5}$	2
8	Calculate $3\frac{1}{5} + 1\frac{1}{2}$. Give your answer as a mixed fraction and an improper fraction	3
9	Excel Phones are selling a Galaxy Note at 20% off list price. Fones for U have reduced the price of the same phone by a $\frac{1}{4}$. Which company is offering the better deal?	3

4	The diagram below shows the lawn of a garden  (a) Calculate the area of this lawn (b) If new turn costs £2.95 per square metre, how much will it cost to turf the whole lawn.	3 2
5	Find the volume of this cuboid 	2
6	If an empty oil tank has a volume of 8900 cm^3 How many litres of oil could the tank hold when full.	2

Answers

Non-Calculator		Calculator	
1	(a) £6 (b) £12	1	(a) £25.84 (b) £6.88
2	$11/20 = 55/100 = 55\%$	2	$100 - 45 - 26 - 23 = 100 - 94 = 6\%$
3	One fifth = $0.2 = 20\%$	3	80% of £45 = £36.00
4	30% of 120 = 36 pupils	4	(a) 50.3 cm (b) 201 cm^2
5	(a) $\frac{3}{7}$ (b) $\frac{7}{15}$ (c) $\frac{13}{20}$		

6	(a) $3\frac{1}{2}$ (b) $2\frac{3}{4}$		
7	(a) $\frac{13}{4}$ (b) $\frac{13}{5}$	5	$5 \times 8 \times 2 = 80\text{cm}^3$
8	$4\frac{7}{10}$ or $\frac{47}{10}$	6	$8900\text{ cm}^3 = 8900\text{ ml} = 8.9\text{ litres}$
9	20% is 0.2 or $\frac{1}{5}$, $\frac{1}{4}$ is 0.25 or 25%. Better!		
10	Perimeter is $20+30+10+18+10+12 = 100\text{m}$		