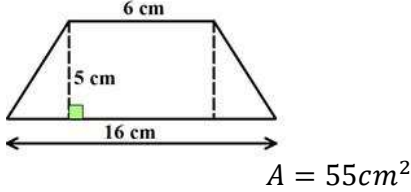
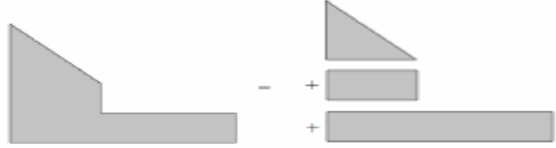


KNOWLEDGE ORGANISER – YEAR 8 TERM 2

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	Topic	Information	Examples	Hegarty Clip
1	Area of a Trapezium	$\frac{(a + b)}{2} \times h$ <p>Half the sum of the parallel sides and multiply by the perpendicular height</p>		559
2	Compound Shape	A shape made up of a combination of other known shapes put together.		555
3	Solving Equations	To find the answer /value of something Use inverse operations on both sides of the equation (balancing method) until you find the value for the letter.	<p>Solve $2x - 3 = 7$</p> <p>Add 3 on both sides</p> $2x = 10$ <p>Divide by 2 on both sides</p> $x = 5$	176-183
4	Expand	To expand a bracket, multiply each term in the bracket by the expression outside the bracket.	$3(m + 7) = 3x + 21$	160
5	Factorise	The reverse of expanding . Factorising is writing an expression as a product of terms by 'taking out' a common factor .	$6x - 15 = 3(2x - 5)$, where 3 is the common factor.	168
6	Reverse Percentage	Find the correct percentage given in the question , then work backwards to find 100% Look out for words like 'before' or 'original'	<p>A jumper was priced at £48.60 after a 10% reduction. Find its original price</p> $100\% - 10\% = 90\%$ $90\% = £48.60$ $1\% = £0.54$ $100\% = £54$	96