



Yr7: ASK Yourself!

Subject: Maths

Unit: Autumn Term

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
	I need to be able to use the skills of TENSILE in maths.	I use TENSILE skills sometimes in maths.	I can use each of the TENSILE skills confidently.	I can expertly use TENSILE and see how each skill helps me learn.
K nowledge				
Principles of number	I understand and can use place value to multiply and divide by powers of 10.	I can add and subtract integers using a formal method.	I can use long multiplication and division with any integers.	I can solve problems using any of the 4 rules, including negative numbers.
Order of Operations	I can confidently multiply to numbers together up to 10×10 .	I can confidently work out the answer to questions involving two operations such as $3 + 4 \times 2 = 11$.	I can confidently work out the answer to questions which have brackets and indices involved.	I can solve problems involving BIDMAS such as placing brackets in the correct place to make an answer correct.
Fractions, Decimals and Percentages	I can recognise and name fractions such as $\frac{1}{4}$, $\frac{1}{2}$ and $1/3$.	I confidently change fractions such as $\frac{1}{2}$ and $\frac{1}{4}$ into a decimal or a percentage.	I confidently convert a simple percentage into a fraction or a decimal.	I confidently convert between any fraction, decimal or percentage.
Angles	I can confidently describe turns such as a quarter turn or a half turn.	I can confidently describe angles as acute or obtuse and estimate angles.	I can confidently find angles on a straight line or around a point.	I can confidently find angles on parallel lines using the corresponding and alternate rules.
Measures	I can change between 12 and 24 hr clock times	I can work out the interval between 2 times and also read from scales.	I can calculate and change between metric units of length and mass.	I can calculate and change between metric and imperial units.
Representing data	I can use and tally chart to collect information.	I can group data into a frequency tally chart and a frequency table.	I can create and use tally charts for discrete and continuous data.	I can put the data into grouped frequency tables and draw grouped frequency diagrams.

Coordinates

I can plot and find coordinates in the first quadrant.

I can plot and find coordinates in all 4 quadrants.

I can use properties of 2D shapes to find missing coordinates.

I can plot and find coordinates in 3D and also find the midpoint of a line segment.