

# Maths YEAR 7 – What we will be learning in Maths this term

As mathematicians this term students will be learning the topics listed below. The video numbers listed can be found at <https://hegartymaths.com> - an interactive learning tool used to assign homework tasks.

**Pupil login details are their name and date of birth followed by a password they create.**

**Parents, you can help by encouraging** your child to watch tutorial videos and complete assessments whereby they will get immediate feedback.

**Parents, you can help by** encouraging your child to log onto TT Superstars.

TT Superstars is an excellent tool for your child to practise their multiplication skills!

It includes a variety of multiplication games and the possibility to win **weekly prizes** as top year 7 or year 8 student!



**Students in Year 7 are welcome to attend our maths club held each Wednesday after school from 3:10 – 3:45pm.**

7RBR, 7RPA		7DRY, 7JDI, 7SMO, 7SSZ, 7TWA, 7VSU	
Topic	Video	Topic	Video
Coordinates	199	Add and subtract negative numbers	37 - 40
Function machines	177, 178	Write expressions	151, 152
Linear graphs	205, 206	Substitution	780 - 785
Place value: decimals	46	Simplify algebraic terms	156, 157, 158, 160 – 165, 168, 169
Multiply and divide by powers of 10	15, 16	Calculations with decimals	46 - 48, 50, 56
Convert metric units	691 - 699	Multiply and divide by powers of 10	15, 16
Calculations with decimals	47, 48, 50	Convert metric units	691 – 699
Round to decimal places	56	Fractions, decimals and percentages	52, 55, 73 – 76, 82, 83, 84, 85, 87 - 90

# Maths YEAR 8 – What we will be learning in Maths this term

As mathematicians this term students will be learning the topics listed below. The video numbers listed can be found at <https://hegartymaths.com> - an interactive learning tool used to assign homework tasks.

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8z1, 8z2		8x2, 8x3, 8y2, 8y3		8x1, 8y1	
Topic	Video	Topic	Video	Topic	Video
Square and cube numbers	99 - 101	Order decimals and negative numbers	37, 46	Transformations	637, 638639 - 641648, 649642 - 647656, 657
Order of operations	24, 44, 120, 150	Rounding	17, 56, 130	Convert fractions and decimals	73, 74
Index form	102, 105, 106	Decimal calculations	47, 48, 50	Percentages	88 - 92, 97, 93, 94
LCM and HCF	31 - 36	Ratio	329, 332 - 335	nth term (linear)	198
Prime numbers	28	Direct proportion	339 - 341	nth term (quadratic)	248, 249
Factor trees	29, 30	Plot straight line graphs	205, 206	Expand	162 - 164
nth term (sequences)	197, 198, 263, 264	Equation of a line	201 - 204, 207 - 209	Factorise into single and double brackets	168, 169, 223 - 228
		Midpoint of a line	200	Solve quadratic equations	230