Knowledge Organiser



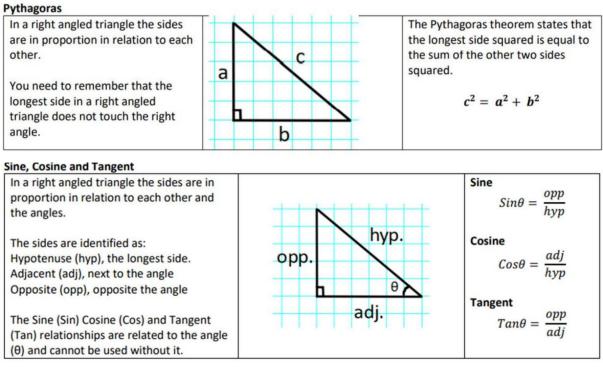
<u>Lent Term 1 Set 2</u>

<u>Year 9</u>

Торіс	Independent Learning and homework	
		asks
Pythagoras' theorem, solving problems applying the theorem	MyMaths Shape, Pythagoras, Pythagoras' Theorem	CorbettMaths.com Video 257 - 8
Using similarity to find lengths of missing sides	Shape, Scale and Similarity	Videos 291 - 2
Using trigonometry to find missing sides of right-angled triangles	Shape, Trigonometry, Missing Sides	Videos 329 - 330
Using trigonometry to find missing angles	Shape, Trigonometry, Missing Angles	Video 331
Calculating equations of straight line graphs	Algebra, Graphs, y=mx+c	Video 189 -190, 194
Finding the equation between 2 points	Algebra, Graphs, Equ. of a line 3	Video 195
Understanding parallel & perpendicular lines	Algebra, Graphs, Gradient & Intercept	Video 196 - 7
Solving Simultaneous equations by elimination / substitution	Algebra, Equations - simultaneous, Sim Equations 1, 2 & 3	Video 295, 296
Solving Simultaneous equations graphically	Algebra, Equations – simultaneous, Solving Sim Equs graphically	Video 297
Forming then Solving Simultaneous equations	Algebra, Equations – simultaneous, Sim Equations 1, 2 & 3	Video 295, 296



Lent Term 1 Knowledge



Simultaneous equations

Sometimes a pair of equations are said to be simultaneous, this means they can both be written on a graph together. In many cases the lines they form will cross and this is the point where they are said to be simultaneous.

Straight lines

Straight lines have the form y = ax + b where a and b are numbers. The line can also be expresses as ax + by = c

Scan for full list of Year 9 Maths facts



Maths Support Attend KS3 Maths Clinic every Friday lunch time for extra help and support.

Stretch and Challenge:

- 1) Practise UKMT Intermediate Maths Challenge Past papers on ukmt.org.uk
- Set up an account on parallel.org.uk website, using your school email address and use teacher code "ha52kh"
- 3) Attend Puzzle Club one lunch time each week