

Year 7 Maths

Learning Programme 5

Reading texts that pupils will study during the learning programme

Loric for LP5 is communication

The value we are learning about is **compassion**

Compassion - Sympathy and concern for the suffering or misfortunes of other

What will I be learning about in this Learning Programme?

Developing geometric reasoning, developing number sense, sets and probability, prime numbers and proof.

Where have I seen this learning before?

Basic addition and subtraction for work with fractions, decimals, percentages, and probability.

What could I use it for?

in combination with other topics to solve multi-step problems.

Problem solving question on angles in simple polygons, mental arithmetic, probability

In LP5.1, I will know:	20/05/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to calculate missing angles in triangles; how to calculate missing angles in quadrilaterals; how to solve angle problems in triangles and quadrilaterals.			angle, polygon	To complete task in knowledge organiser
In LP5.2, I will know:	03/06/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to mentally calculate decimals and fraction arithmetic; how to use factors to simplify calculations; how to use estimation to check calculations.			interior, exterior	To complete task in knowledge organiser
In LP5.3, I will know:	10/06/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to use number and algebraic facts to derive other facts; when to use a mental strategy, formal written method or a calculator. Extended Task			factor, product	To complete task in knowledge organiser
In LP5.4, I will know:	17/06/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to interpret and create Venn diagrams; how to understand and use the intersection and union of sets; the vocabulary of probability.			estimate, significant figure	To complete task in knowledge organiser
In LP5.5, I will know:	24/06/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to generate sample spaces and calculate probabilities for single events; how to interpret the probability scale; that the sum of probabilities of all outcomes is 1.			universal set, intersection, union	To complete task in knowledge organiser
In LP5.6, I will know:	01/07/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
how to prepare for an assessment; assessment. Extended Task			sample space, probability scale	To complete task in knowledge organiser
In LP5.7, I will know:	08/07/24 - (WK 1)	PR Focus	Key Vocabulary	Homework
how to identify multiples, factors, primes, squares and triangular numbers; how to work out HCF & LCM; how to find the product of primes of a number.			multiple, prime	To complete task in knowledge organiser
In LP5.8, I will know:	15/07/24 - (WK 2)	PR Focus	Key Vocabulary	Homework
experience week.				

Resources to support learning:

Students will be given login details for mathswatch by their class teacher to support their independent studies.

FFET Award Challenge for this Learning Programme:

Attend an extra-curricular club, represent the academy at an event, attend an enrichment day, receive a subject praise postcard, attend a day trip, attend a head of year breakfast or afternoon tea, achieve 100 positive points on class charts, receive a letter of commendation from SLT, be invited to a wonderful Wednesday, receive a principals letter or be invited to a principals lunch, attend a residential trip, achieve the Duke of Edinburgh bronze award.

PRT Task 1

PRT Task 2