



SRI KDU
International
School
SUBANG JAYA

CURRICULUM OVERVIEW

YEAR 5 MATHEMATICS

NUMBER : PLACE VALUE

Understand and explain the value of each digit in decimals
Use the relationship between repeated addition and multiplication to find sequences
Recognise and extend the spatial pattern of square and triangular numbers.
Understand and explain the difference between prime and composite numbers.

ANGLES AND SHAPE

Identify, describe, classify and sketch isosceles, equilateral or scalene triangles.
Estimate and measure perimeter and area of 2D shapes, including compound shapes.
Estimate, compare and classify acute, right, obtuse and reflex angles.
Know that the sum of the angles on a straight line is used to calculate missing angles.

CALCULATION

Estimate and multiply numbers with one decimal place by 1-digit whole numbers.
Use knowledge of place value to multiply and divide decimals by 10 and 100.
Multiply whole numbers up to 1000 by 1-digit or 2-digit whole numbers.
Divide whole numbers up to 1000 by 1-digit whole numbers.

NUMBER, PROPORTION AND RATIO & LOCATION AND MOVEMENT

NUMBER
Times tables fluency and recap of calculation of the 4 operations.

PROPORTION AND RATIO:

- Understand that a proportion compares part to whole
- Understand that a ratio compares part to part of two or more quantities.

LOCATION AND MOVEMENT:
Use knowledge of reflective symmetry to identify and complete symmetrical patterns
Use knowledge of 2D shapes and coordinates to plot points to form lines and shapes in the first quadrant

TERM 1

TIME

Read and record time accurately on analogue and digital clocks.
Find time intervals in seconds, minutes and hours that bridge through 60
Read and record time accurately in digital notation (12- and 24-hour) and on analogue clocks.

TERM 2

FRACTIONS, PERCENTAGES AND DECIMALS

Recognise that improper fractions and mixed numbers can have an equivalent value
Recognise that proper fractions, decimals and percentages can have equivalent values
Recognise percentages of shapes, and write percentages as a fraction with the denominator 100.
Compare and order numbers with one decimal place, proper fractions with the same denominator and percentages

STATISTICAL METHOD & PROBABILITY

STATISTICAL METHOD:

- Understand that the mode and median are ways to describe and summarise data sets. Find and interpret the mode and the median, and consider their appropriateness for the context.
- Interpret data, identifying patterns, within and between data sets, to answer statistical questions. Discuss conclusions, considering the sources of variation.
- Record, organise and represent categorical, discrete and continuous data. Choose and explain which representation to use in a given situation- Venn and Carroll diagrams, tally charts and frequency tables, bar charts, frequency diagrams for continuous data, line graphs.

PROBABILITY

- Use the language associated with likelihood to describe and compare likelihood and risk of familiar events, including those with equally likely outcomes.
- Recognise that some outcomes are equally likely to happen and some outcomes are more (or less) likely to happen, when doing practical activities.
- Conduct chance experiments or simulations, using small and large numbers of trials, and present and describe the results using the language of probability.

WELCOME TO YEAR 6