

Mathematics

BHA

M	HTh	TTh	Th	H	T	O
•	•	•	•	•	•	•

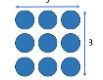
- Number**
- Place Value
 - Addition, Subtraction

TTh	Th	H	T	O
5	4	18	10	
3	5	4	9	1
2	0	9	9	9

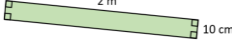
Statistics

	Boys	Girls
Abseiling	16	12
Archery	14	20
Tennis	9	12

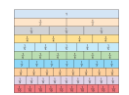
- Number**
- Multiplication and Division



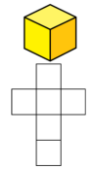
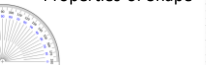
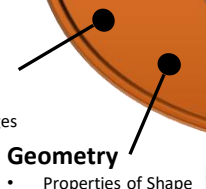
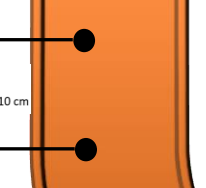
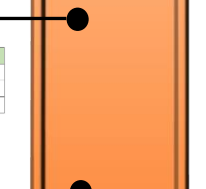
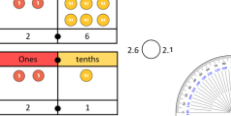
- Measurement**
- Perimeter and Area



- Number**
- Fractions



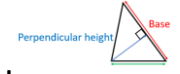
- Number**
- Decimals
 - Percentages



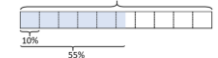
- Geometry**
- Properties of Shape



- Measurement**
- Converting Units
 - Perimeter, Area and Volume



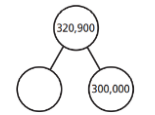
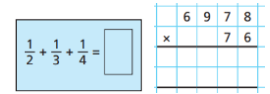
- Number**
- Decimals
 - Percentages



- Geometry**
- Position and Direction



- Number**
- Place Value
 - Addition, Subtraction, Multiplication and Division
 - Fractions



- Geometry**
- Position and Direction



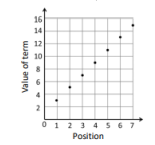
Number

- Ratio



For every 3 red counters, there are 2 yellow counters.

- Number**
- Algebra



Position	1	2	3	4
Term	3	5	7	9

Algebraic Thinking

- Sequences
- Understand and use algebraic notation
- Equality and equivalence



Place Value and Proportion

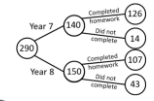
- Place value
- Ordering integers and decimals
- Fraction, decimal and percentage equivalence

100	10	1	0.1	0.01
100	10	1	0.1	0.01



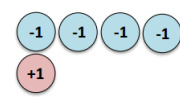
Application of Number

- Solving problems with addition and subtraction
- Multiplication and division
- Fractions and decimals of amounts



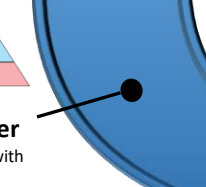
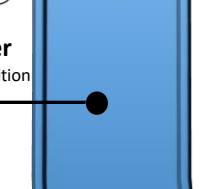
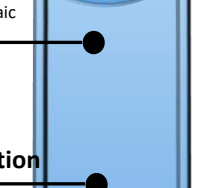
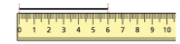
Directed Number

- Four operations with directed number



Measurement

- Converting Units
- Volume



Developing Number

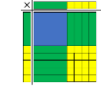
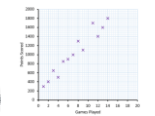
- Fractions and percentages
- Standard form
- Number sense

$$39 \times 893 \approx 40 \times 900 \approx 36,000$$

Algebraic Techniques

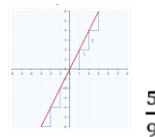
- Brackets, equations and inequalities
- Sequences
- Indices

$$(x^2)^3$$



Representations

- Working in the cartesian plane
- Representing Data
- Tables and Probability



$$\frac{5}{9} \div \frac{2}{3} = \frac{5}{6}$$

Proportional Reasoning

- Ratio and scale
- Multiplicative change
- Multiplying and dividing fractions

Diameter : Circumference
 $1 : \pi$

$$\begin{aligned} \text{£}1 &= \text{HK\$}10.28 \\ \times 30 &\quad \times 30 \\ \hline \text{£}30 &= \text{HK\$}308.40 \end{aligned}$$

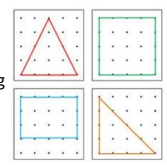
Fractional Thinking

- Addition and subtraction with fractions

$$\frac{6}{10} + 0.3$$

Lines and Angles

- Constructing, measuring and using geometric notation



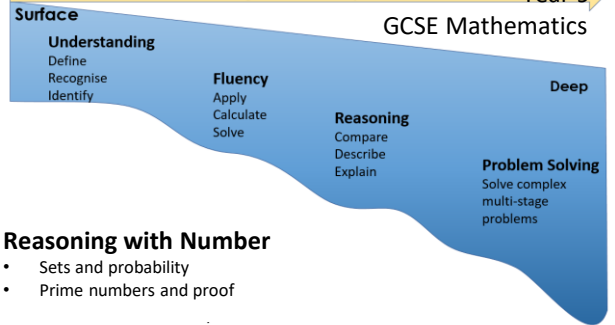
Reasoning with Data

- The data handling cycle
- Measures of location

Number of students	Number of books
1	11
2	15
3	22
4	17
5	12
6	11
7	9
8	1



Working towards mastery Year 9



Reasoning with Number

- Sets and probability
- Prime numbers and proof

