

# Mathematics

# BHA

M	HTh	TTh	Th	H	T	O

- Number**
- Place Value
  - Addition, Subtraction

TTh	Th	H	T	O
5	4	3	2	1
-	3	5	4	9
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

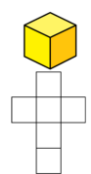
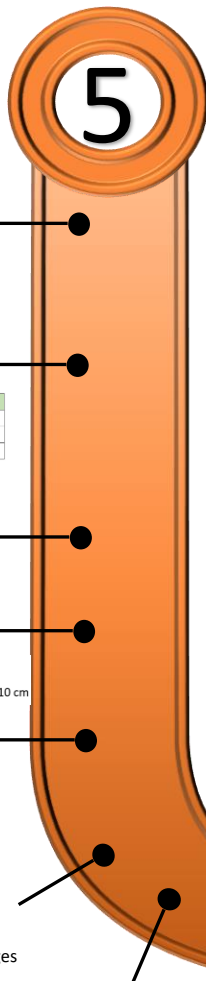
- Number**
- Fractions

- Number**
- Decimals
  - Percentages

**Geometry**

- Properties of Shape

Ones	Tenths
2	6
2	6



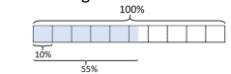
- Geometry**
- Properties of Shape



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



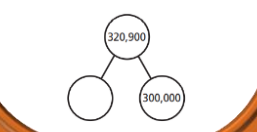
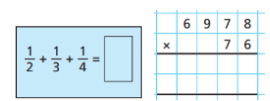
- Number**
- Decimals
  - Percentages



- Geometry**
- Position and Direction



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



- Geometry**
- Position and Direction



- Statistics**
- Car sales graph

- Number**
- Ratio

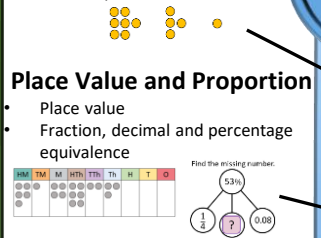


**Algebraic Thinking**

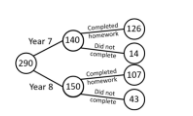
- Sequences

Position	1	2	3	4
Term	3	5	7	9

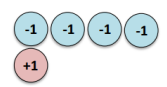
- Place Value and Proportion**
- Place value
  - Fraction, decimal and percentage equivalence



- Application of Number**
- Solving problems with addition and subtraction
  - Multiplication and division



- Directed Number**
- Four operations with directed number



- Algebraic Thinking**
- Understand and use algebraic notation
  - Equality and equivalence

- Application of Number**
- Order of Operations

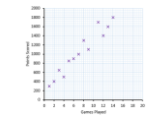


- Fractional Thinking**
- Addition and subtraction with fractions



- Developing Number**
- Fractions, decimals & percentages

- Algebraic Techniques**
- Brackets & equations
  - Sequences



- Representations**
- Representing Data
  - Measures of location

Number of buses	Number of words
1	15
2	10
3	22
4	17
5	12
6	11
7	9
8	3

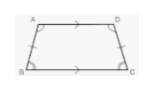
**Proportional Reasoning**

Diameter : Circumference  
1 : π

- Proportional Reasoning**
- Ratio and scale
  - Multiplicative change
  - Multiplying and dividing fractions

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

£1 = HK\$10.28  
× 30 ↓ ↓ × 30  
£30 = HK\$308.40



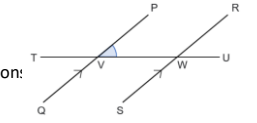
- Lines and Angles**
- Developing geometric reasoning



- Application of Number**
- Fractions and percentages of amounts

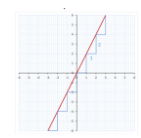
- Algebraic Techniques**
- Equations
- $4x + 3 = 19$

- Developing Geometry**
- Angles in parallel lines and polygon:

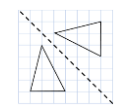


- Algebraic Techniques**
- Indices  $(x^2)^3$

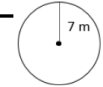
- Representations**
- Working in the cartesian plane



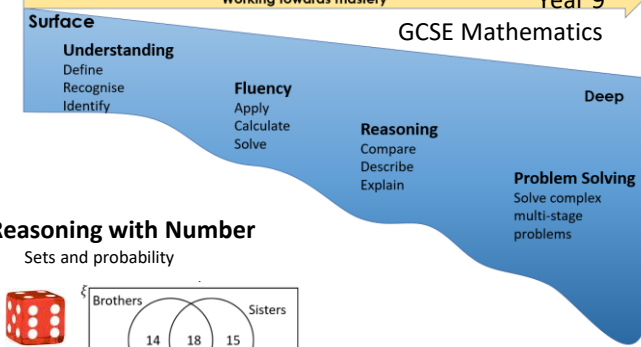
- Developing Geometry**
- Line symmetry & reflection



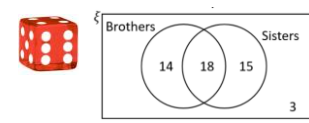
- Developing Geometry**
- Area of trapezia and circles



Working towards mastery Year 9



- Reasoning with Number**
- Sets and probability



- Reasoning with Number**
- Prime numbers and proof

