

**Year 5 MTP Summer
Calculations, Shape,
Position & Direction**

By the end of this unit children will be able to use the formal methods of addition, subtraction, multiplication and division, and apply them across the Maths curriculum. Solve problems involving shapes, position & direction. Calculate area, volume and convert between units of time.

Addition & Subtraction:

Revise formal methods; use addition and subtraction to work out missing angles, missing lengths; use addition and subtraction to solve problems involving area, volume & time

Using rounding to estimate & check answers for accuracy

Place value:

Understand and use the place value of whole numbers and decimals and use this to help solve calculations

Measurement:

Calculate area of rectangles & irregular shapes.

Estimate volume & capacity

Solve problems involving converting between units of time.

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Calculations, Shape, Position & Direction

Oral & Mental:

Times tables

Adding, subtracting, multiplying and dividing mentally

Multiples, factors, prime numbers

Square and cube numbers

Converting between units of measurement and time

Children will be taught the correct methods of adding, subtracting, multiplying & dividing. They will use real life contexts to apply methods taught.

Multiplication & Division:

Revise formal methods; mental multiplying and dividing; use multiplication to solve problems with area, volume & time

Shape, Position & Direction:

Investigations surrounding regular and irregular polygons.

Reflection & translation of shapes

Identify 3D shapes from 2D representations