

Ysgol Y Faenol



Year 6 Maths Objectives

Shape, Space and Measures

To know how to work out the area and perimeter of rectangles mentally.

To be able to name 2D shapes and identify their properties, including quadrilaterals and triangles..

To be able to identify 3D shapes from their nets and identify their properties.

To be able to estimate angles to the nearest five degrees.

Convert between km, m, cm, mm.

Convert between kg and g, litres and millilitres; hours, minutes, seconds.

To be able to work out differences in time crossing over the hour.

Multiplication and Division

Recall multiplication and division facts to 10×10 .

Recall squares and primes

Give pairs of factors for whole numbers up to 100. Use tests of divisibility.

Find doubles/halves of decimals e.g. 7.9, 0.2, 0.9, 0.72,

Use doubling or halving (including decimal numbers)

Multiply mentally any two-digit number by a one-digit number

Find halves of decimals ending in an even digit, e.g. $3.8 \div 2$, $0.76 \div 2$.

Addition and Subtraction

Find pairs with sum of 100; multiples of 50 with sum 1000, decimals with sum 1,10

Add/subtract any pair of two-digit numbers including crossing 100;

Derive sums and differences, e.g. $760 +$ or $- 280$. $7.6 +$ or $- 3.8$, Count on / back in steps of 25, 0.2, 0.25, 0.5.

Add several single-digit numbers

Place Value

Read and write whole numbers in figures and words.

Round whole numbers to the nearest 10, 100, 1000.

Order positive and negative whole numbers; order fractions.

Multiply or divide whole numbers by 10, 100 or 1000.

Round decimals to nearest whole number or nearest tenth.

Order positive and negative numbers; fractions; mixed decimals.

Fractions, Decimals and Percentages

Know some fractions as percentages/ decimals.

Find simple percentages.

Order positive and negative numbers; fractions; mixed decimals.

Find decimals with a sum of 0.1, 1 or 10.