

# Ysgol Y Faenol



## Year 2 Mental Maths Objectives

### Shape, Space and Measures

Relate solid shapes to pictures of them.

Use mathematical names for common 3-D and 2-D shapes.

Use metres, half metres and centimetres to measure length, height and distance.

Use kilograms/10 g weights to measure weight.

Use litres to measure capacity.

Use units of time: second, minute, hour, day, week.

Read half past, quarter to and quarter past on an analogue clock.

Read hours and minutes on a 12 hour digital clock.

### Multiplication and division

Count sets of objects by grouping in 2s, 5s and 10s.

Derive doubles to  $10 + 10$  and corresponding halves.

Recall and use 2, 5 and 10 multiplication tables.

Use 2, 5 and 10 times tables to derive division facts.

Derive near doubles (e.g.  $6+6=12$ , so  $6+7=13$ )

### Place Value

Say the number names to at least 100.

Read and write, (words and figures) numbers to 100.

Partition a two-digit number into tens and ones.

Compare and order 2-digit numbers.

Recognise odd and even numbers.

Count in 2s, 5s, 10s and 100s from and back to zero.

Say the number that is 10 more/less than any two-digit number.

### Addition and Subtraction

Find small differences within 20 by using 'counting on' strategies.

Partition into 5 and a bit when adding 6, 7, 8, or 9.

Say the number that is one or ten more/less than a 2-digit number.

Recall addition and subtraction facts for each number up to at least 10.

Recall all pairs that make 20 (e.g.  $13 + 7$ ,  $20 - 12$ ).

State subtraction fact corresponding to addition fact and vice versa (e.g.  $14+5=19$ ,  $19-14=5$ )

Add /subtract 9, 19, 11, 21.

Recall pairs of multiples of 10 with a total of 100 e.g.  $40 + 60$ .

Use mental recall of number facts to 10 to derive other facts, i.e.:

- doubling and halving, e.g. derive  $40 + 40$  from knowing  $4 + 4$

- bonds of 10, e.g. derive  $60 + 40$  from knowing  $6 + 4$

Use mental recall of number facts to 10 and place value to add or subtract larger numbers, e.g.  $24 + 4$ ,  $30 + 5$ ,  $34 + 10$