Number bonds (adaptable for any)

- Use objects to add and subtract e.g. sweets, pasta pieces, toy cars, stones, twigs etc.
- Play number bond bingo. Have children split a blank piece of paper into 6 squares by asking them to draw one horizontal line across the middle and 2 vertical lines on their board. Write a number bond to 20 in each square. If you call out '14', do they cross off 6?
- Play times table tennis/ping pong – call out a number and ask your child to respond with the number that adds to it to make the total of 5/10/20/100.

  You say ping, they say pong; you say 19, they say 1; you say 16, they say 4; you say 2, they say 18; you say ping, they says pong; you say 12, he says 8; etc!

Times tables (adaptable for any)

- Use a 100 square to highlight every 5th number. Then write these up, e.g. 1 x 5 = 5, 2x 5 = 10 etc. Can the children then answer questions such as 'how many groups of 5 are there in 25?' and 'what is 8 lots of 5'?
- Use a timer to when asking children to fill in answers to times table questions. How many times table facts can they fill in in 3 minutes? Repeat frequently to see an improvement.
- Spot chances to extend children: if a child knows 2 x 4 = 8, then they can work out 4 x 2 = 8. Show them how this relates to other facts, such as 2 x 40 = 80 etc.
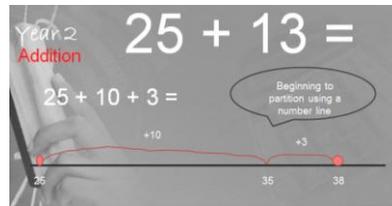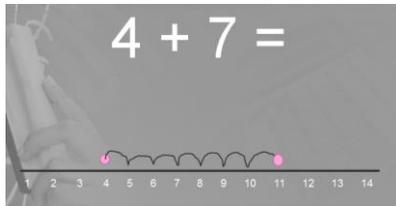
Calculations: Years 1 and 2

How to support your child at home

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Addition

Vocabulary: add, more, plus, total, sum, increase, number bonds

$$4 + 7 =$$

$$25 + 13 =$$
$$25 + 10 + 3 =$$

Beginning to partition using a number line

+10   +3

Expanded method - Y3

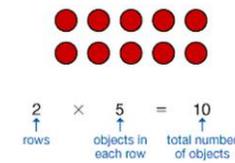$$\begin{array}{r} 200 + 40 + 3 \\ + 300 + 50 + 1 \\ \hline 500 + 90 + 4 \end{array}$$

Subtraction

Vocabulary: subtract, take away, fewer, minus, decrease, difference between, number bonds
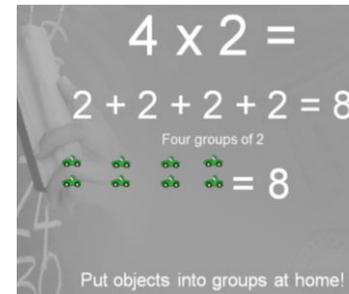
$$7 - 3 =$$

$$23 - 6 =$$
Blank number line

-3   -3

Multiplication

Vocabulary: times tables, multiply, lots of, groups of, multiplied by, array

Objects arranged in an array

$$\underset{\text{rows}}{2} \times \underset{\substack{\text{objects in}\\\text{each row}}}{5} = \underset{\substack{\text{total number}\\\text{of objects}}}{10}$$

$$4 \times 2 =$$
$$2 + 2 + 2 + 2 = 8$$
Four groups of 2
$$= 8$$
Put objects into groups at home!

$$7 \times 4 = 28$$
Blank number line
+4 +4 +4 +4 +4 +4 +4

Division

Vocabulary: times tables, divide, share, shared equally, remainder, array

$$8 \div 2 =$$

$$12 \div 3 = 4$$
Blank number line
-3   -3   -3   -3