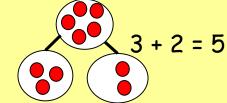
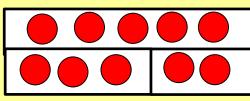
ADDITION +

Counting a variety of concrete resources including everyday objects. Combine groups of objects or pictures and count altogether to find the total.

Jumps on a number line by partitioning a 1 digit number using a part-part-whole to support.

EYFS





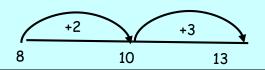
3 + 2 = 5

YEAR 1

Ensure children receive a diet of concrete, pictorial and abstract stimuli.

Expanded column method

e.g 8 + 5 = 13 or 27 + 7 = 34.



2 3

YEAR 2

See webinar for supporting pedagogy.

3 3

YEAR 3

YEAR 4

		7	2		8
+		5	4		6
			1		4
			6		0
	1	2	0	•	0
	1	2	7		4

YEAR 5

Compact column method. Compact method used with decimals of increasing difficulty, e.g.

YEAR 6

72.8 + 54.6 = 127.4

SUBTRACTION

EYFS

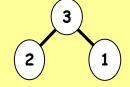
Taking away everyday objects and count how many are left.



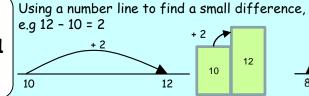




3 - 2 = 1



YEAR 1



subtract, counting backwards, e.g 15 - 7 = 8

Use a number line and partition numbers to



YEAR 2

Expanded column including exchange e.g 38 - 19 = 19. See webinar for supporting pedagogy.

YEAR 3

Expanded column then compact column method. See webinar for supporting pedagogy. 238 - 119 = 119

8 7 4

9 5 2

200 100 10 9 100 10 9

5 2 3 3 5 1

5 3 7 4 1 5

YEAR 4

Compact column for whole numbers. Expanded leading to compact for decimals.

$$9 9^{1} 5 \overset{1}{2}$$

$$- 7 5 3 7$$

$$2 4 1 5$$

6.3 - 2.1 = 4.2

6.1 - 2.4 = 3.7

YEAR 5

Compact column method for whole numbers. Compact column method for decimals.

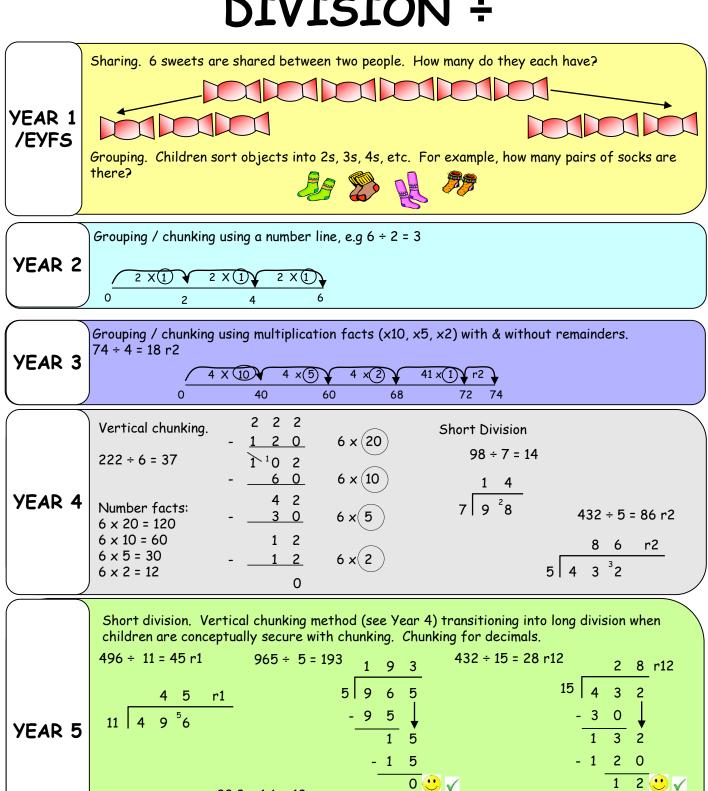
2 4 1 5

72.8 - 54.6 = 18.2

Compact column method. Compact method used with decimals of increasing difficulty

YEAR 6

DIVISION



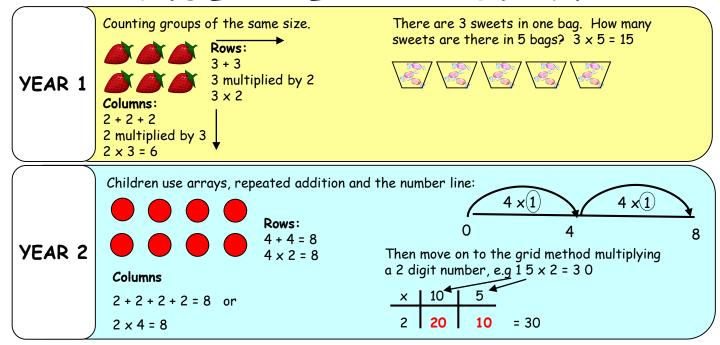
1.6 x 5 1.6 x(10) $1.6 \times 2 \times 1.6 \times 1$ 27.2 28.8

28.8 ÷ 1.6 = 18

Short and long division with numbers of increasing complexity. Methods as Year 5.

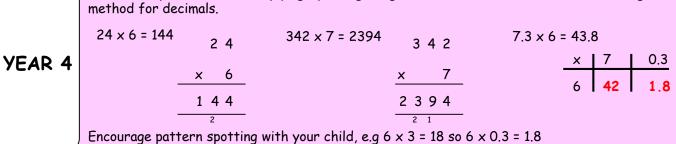
YEAR 6

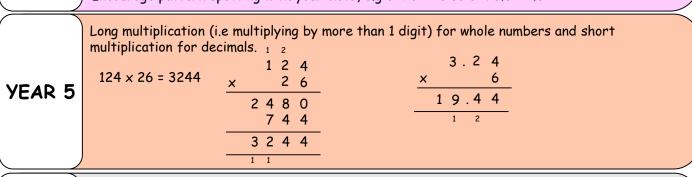
MULTIPLICATION X





Short multiplication (i.e multiplying by a single digit) for whole numbers. Continue to use grid





YEAR 5	7	8 0 4 4 4 4	1 9 . 4 4	
YEAR 6	Long multiplication of whole numbers and decimals.	3 . 2 4 x 2 6 1 9 . 4 4 6 4 · 8 0 1 2 8 4 . 2 4	1 3 2 4 x 2 6 7 9 4 4 2 6 4 8 0 1 1 2 3 4 4 2 4	