

Division

Year 1

Half of 6 is 3
6 shared equally into 2 groups is 3 in each group

12 divided equally into 3 groups is 4 in each group

The groups are equal

12 divided equally into groups of 3 is 4 groups

There are four 3s in twelve

multiply equal share group divide

Year 2

Three groups of four
 $4 + 4 + 4 = 12$

4 multiplied by 3
 $4 \times 3 = 12$

3 groups of 4
 $3 \times 4 = 12$

$12 \div 3 = 4$
12 divided equally into 3 groups

$12 \div 3 = 4$
12 divided equally into groups of 3

How many 3s in twelve?

Year 4

30 is ten times smaller than 300
20 divided by ten is 2

If I know $24 \div 4 = 6$ then I know $240 \div 4 = 60$

If I know $24 \div 4 = 6$ then I know $25 \div 4 = 6 \text{ r } 1$

I know that 40 is 10 groups of 4

$10 \times 4 = 40$ $3 \times 4 = 12$

Year 3

If I know... then I also know...

The digit sum of multiples of 3 is 3, 6 or 9

An odd number multiplied by 3 gives an odd product.

All multiples of 4 are even numbers.

There is a repeating pattern in the ones column: 0, 4, 8, 2, 6

All multiples of 8 are even numbers.

All multiples of 8 are also multiples of 2 and 4

Year 6

If I know... then I also know... because...

$0.8 \times 7 = 8 \times 7 \div 10$
 $4.2 \times 5 = 42 \div 2$ $56,000 \div 80 = 700$

$24 \overline{) 2427}$
 $\times 38$
 19416
 72810
 92226

$24 \overline{) 3339}$
 $0139 \text{ r } 3$

$24 \overline{) 3339.000}$
 0139.125

$3339 \div 24 = 139 \text{ r } 3 = 139 \frac{3}{24}$
 $= 139.13 \text{ (to 2dp)}$

Year 5

$9423 \div 3$

1000s 100s 10s 1s

3 1 4 1
3 | 9 4 2 3

0 5 7 6 r 1
6 | 3 4 3 7

If I know... then I also know... because...