St Oswald's Visual Calculation Policy - Year 1/2

Addition:

A2: Counting On

+1 +1 +1

5   6   7   8

5 + 3 = 8

A3: Forwards Jump

43 + 24 = 67

+20   +4

+10 +10 +1 +1 +1 +1

43   53   63 64 65 66 67

A4: Partitioning

43 + 24 = 67

40 + 20 = 60
3 + 4 = 7
         67

Subtraction:

S3: Counting Back

9   10   11   12

-1   -1   -1

12 - 3 = 9

"What do I get if I take 3 away from 12? Answer: 9"

S6: Backwards Bounce

64 65 66 67   77   87

-1 -1 -1 -10 -10

87 - 23 = 64

S7: Backwards Jump

38   45   75

-7   -30
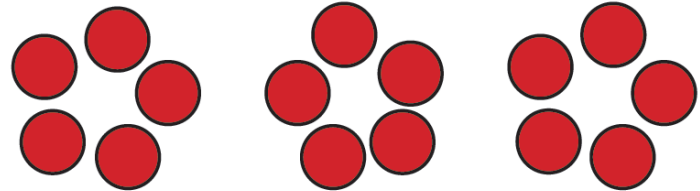
75 - 37 = 38

Multiplication:

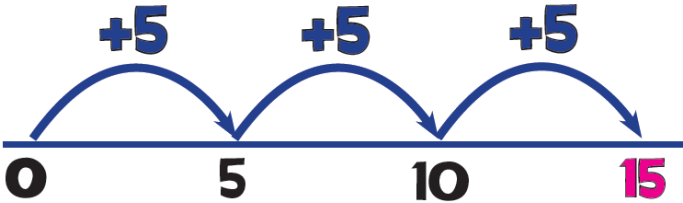**M1: Repeated Addition** (Groups)

$$5 \times 3 = 5 + 5 + 5 = 15$$

"5 multiplied by 3" means "5, 3 times", which gives "3 lots of 5"!

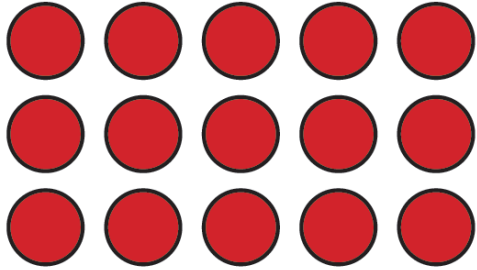St. Oswald's CE Primary School

M2: Repeated Addition (Number Line)

+5   +5   +5

0   5   10   15

$$5 \times 3 = 5 + 5 + 5 = 15$$

"5 times 3" means "5, 3 times!"

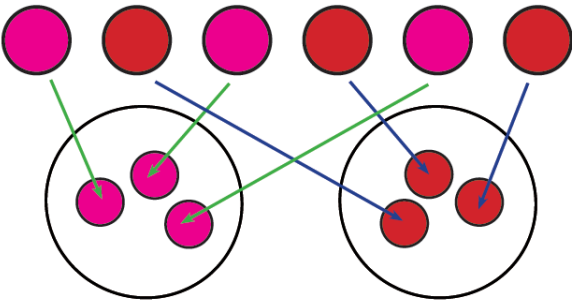St. Oswald's CE Primary School

M3: Arrays

$$3 \times 5 = 15 \text{ or } 5 \times 3 = 15$$

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Division:

D1: Sharing (Concept)

"If I share 6 into 2 equal amounts, how many in each group?" Answer: 3
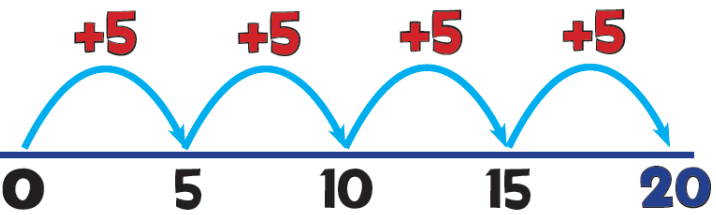
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D2: Grouping (Concept)

"How many groups of 2 can I make out of 6? Answer: 3

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D5: Grouping on a Number Line

+5   +5   +5   +5

0   5   10   15   20

$$20 \div 5 = 4$$

"How many 5s in 20?" Answer: 4

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