

Useful websites

www.purplemash.co.uk

www.educationcity.co.uk

www.bbc.co.uk/bitesize/ks1/maths

www.ictgames.com

www.topmarks.co.uk/mathsgame

www.mathschamps.co.uk

Padnell Infant School

Whole School Visual

Calculation Policy

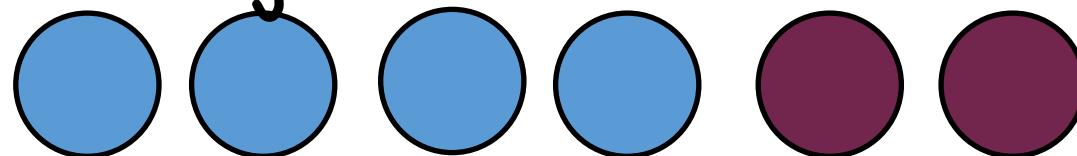
Parent Workshop

September 2015

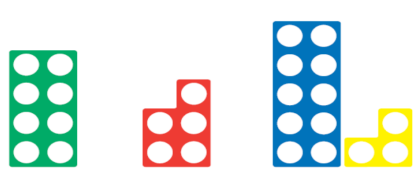


Addition

1. Objects

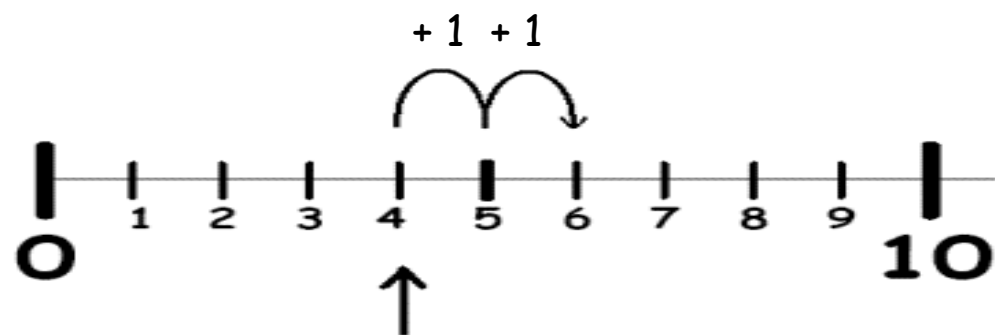


$4 + 2 = 6$



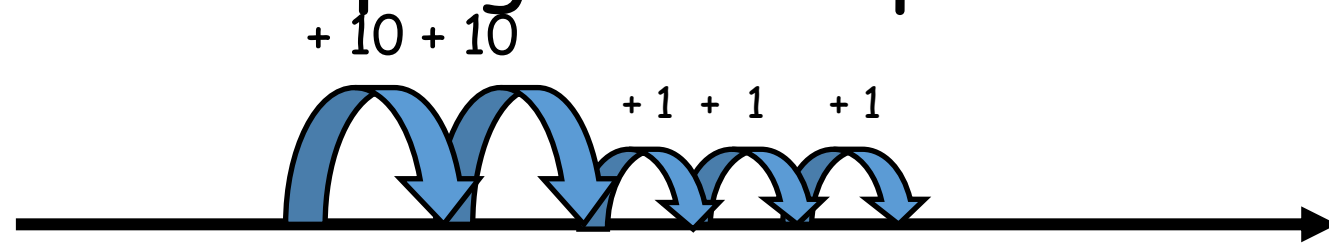
$8 + 5 = 13$

2. Counting on



$4 + 2 = 6$

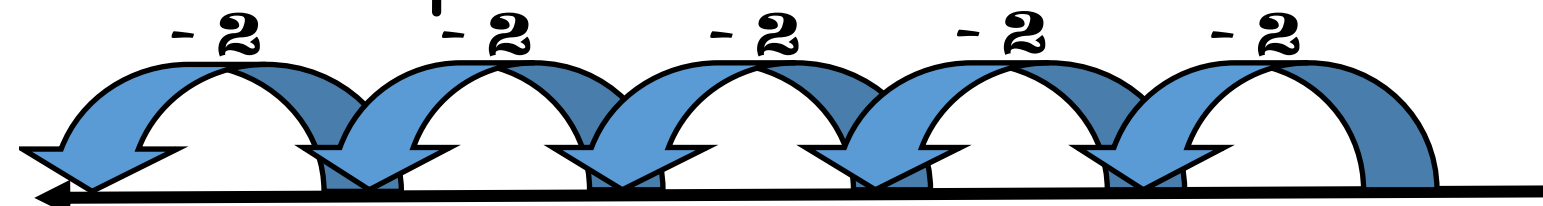
3. Jumping in multiples



$32 + 23 = 55$

Division

3. Repeated subtraction



$10 \div 2 = 5$
10 divided by 2 equals 5 jumps.

Key Vocabulary:

Addition

add, more, plus, and, make, altogether, total, equal to, equals, double, most, count on, number line, sum, tens, ones/units, partition, addition, column, greater than, less than

Subtraction

equal to, take, take away, less, minus, subtract, leaves, distance between, how many more, how many fewer / less than, most, least, count back, how many left, how much less is_?

Multiplication

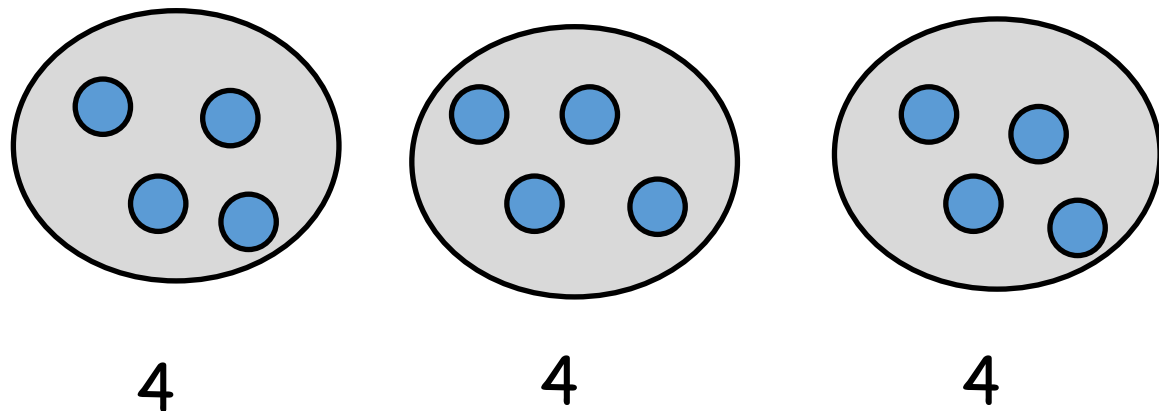
Groups of, lots of, times, multiply, altogether, count, multiplied by, repeated addition, column, row, commutative, sets of, equal groups, partition, multiple, product, tens, ones/units, value, total, inverse

Division

Divide, share, share equally, group, equal groups, lots of, array, divide, divided by, division, grouping, number line, left, left over, remainder

Division

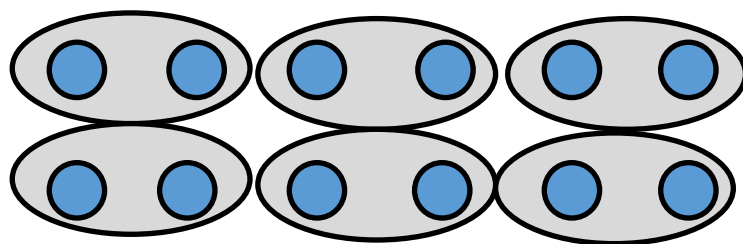
1. Sharing



$$12 \div 3 = 4$$

12 divided by 3 equals 4.

2. Grouping



$$12 \div 2 = 6$$

How many groups of 2 can I fit into 12? Answer: 6

Addition cont'd

4. Partitioning

$$45 + 23 = 68$$

Tens $40 + 20 = 60$

Ones $5 + 3 = \underline{8}$

$$\underline{68}$$

5. Column Addition

H T O

84

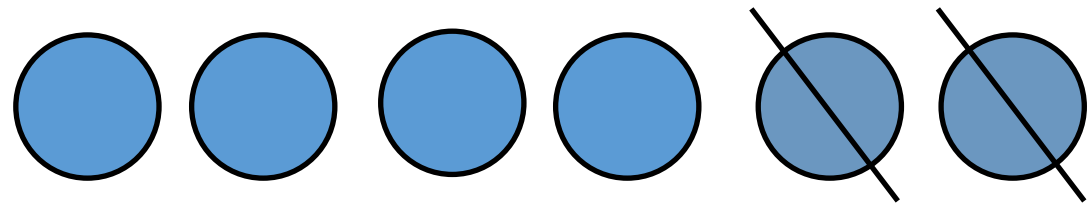
+ ~~57~~

~~141~~

1

Subtraction

1. Objects

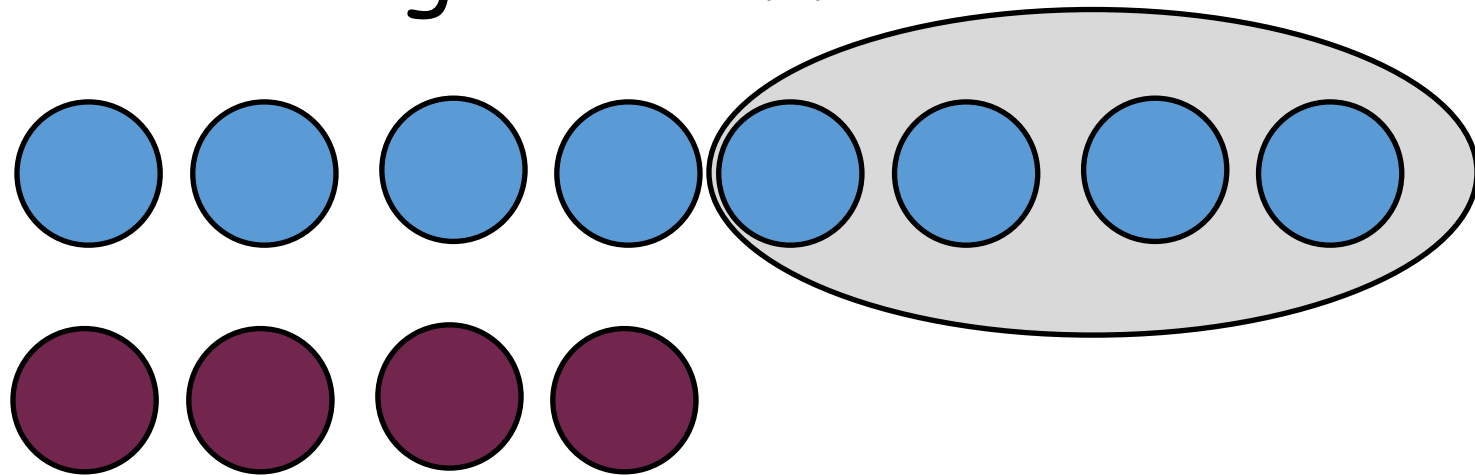


$$6 - 2 = 4$$

What do I get if I take away 2 from 6?

Answer: 4

2. Finding the difference

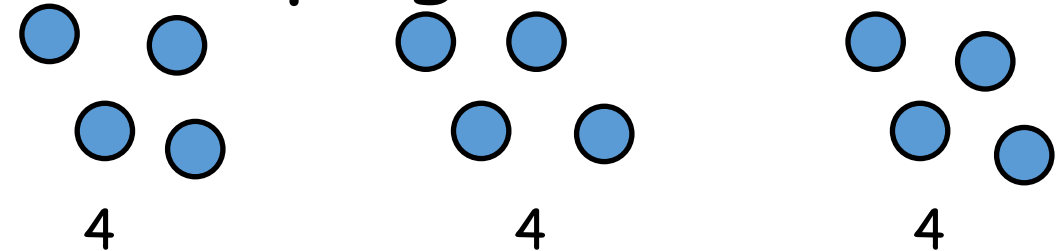


$$8 - 4 = 4$$

How many more is 8 than 4? Answer: 4

Multiplication

1. Grouping



$$4 \times 3 = 12$$

4 times 3 means 4, 3 times.

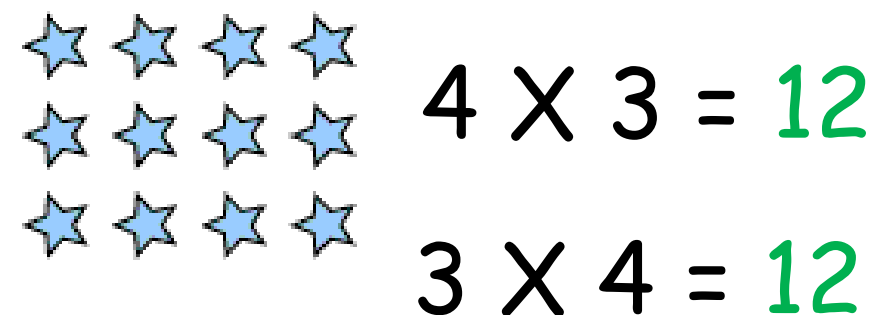
Which gives 3 lots of 4!

2. Repeated Addition

$$4 \times 3 = 12$$

$$4 + 4 + 4 = 12$$

3. Arrays



Subtraction cont'd

6. Column subtraction

$$\begin{array}{r} \text{H T O} \\ 84 \\ - 33 \\ \hline 51 \end{array}$$

7. Partitioning

$$84 - 33 = 51$$

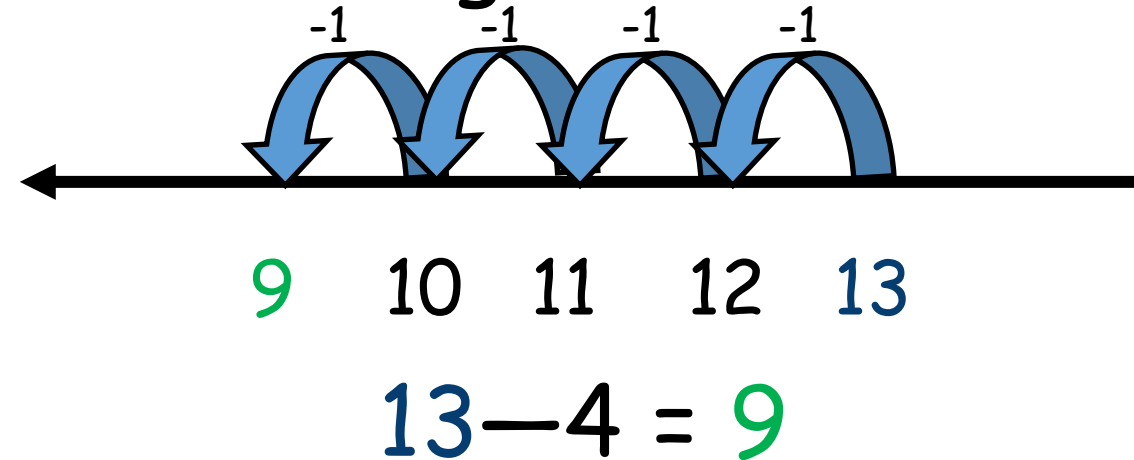
Tens $80 - 30 = 50$

Ones $4 - 3 = 1$

$$50 + 1 = 51$$

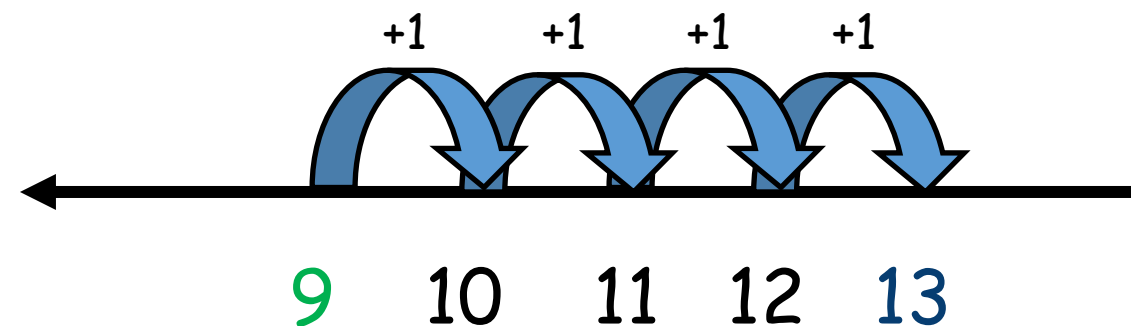
Subtraction

3. Counting backwards



What do I get if I take away 4 from 13? Answer: 9

4. Counting on



How many more is 13 than 9? What is the difference?

5. Jumping backwards in multiples

