

Phase 2 Maths Examples

1 Count to 100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

2 Count in twos

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

They are all **EVEN**

They all end in 0 or 2 or 4 or 6 or 8



2 Count in fives

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

They all end in 0 or 5



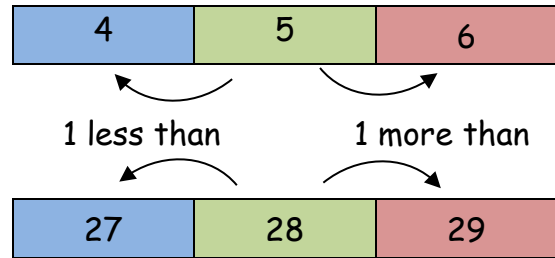
2 Count in 10s

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

They all end in 0



3 One more or less



4 Numbers as objects



Max has **MORE** than Ann
Max has the **MOST**

Ann has **LESS** than Max
Ann has the **LEAST**

5 Numbers in figures and words

1	one
2	two
3	three
4	four
5	five
6	six
7	seven
8	eight
9	nine
10	ten

11	eleven
12	twelve
13	thirteen
14	fourteen
15	fifteen
16	sixteen
17	seventeen
18	eighteen
19	nineteen
20	twenty

6 Mathematical statements involving (+) (-) and (=)

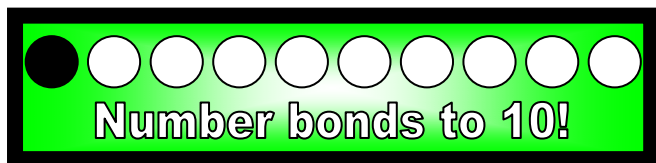
We read: 3 added to 4 makes 7

We write: $3 + 4 = 7$

We read: 7 subtract 3 makes 4

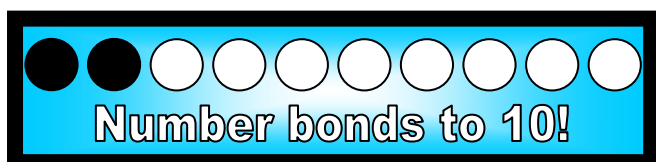
We write: $7 - 3 = 4$

7 Number bonds



$$1 + 9 = 10 \quad \text{OR} \quad 9 + 1 = 10$$

$$10 - 1 = 9 \quad \text{OR} \quad 10 - 9 = 1$$



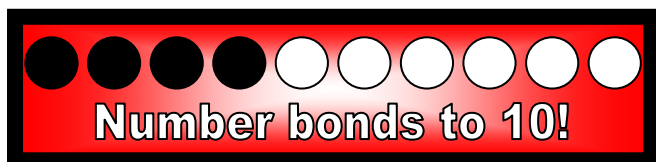
$$2 + 8 = 10 \quad \text{OR} \quad 8 + 2 = 10$$

$$10 - 2 = 8 \quad \text{OR} \quad 10 - 8 = 2$$



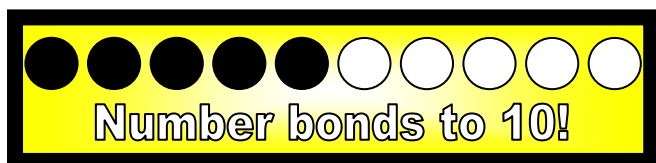
$$3 + 7 = 10 \quad \text{OR} \quad 7 + 3 = 10$$

$$10 - 3 = 7 \quad \text{OR} \quad 10 - 7 = 3$$



$$4 + 6 = 10 \quad \text{OR} \quad 6 + 4 = 10$$

$$10 - 4 = 6 \quad \text{OR} \quad 10 - 6 = 4$$



$$5 + 5 = 10$$

$$10 - 5 = 5$$

8 Addition and subtraction

Addition

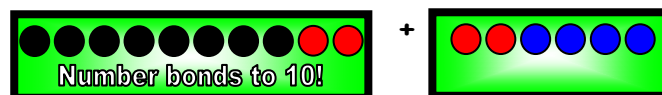
Example: $8 + 6$

$= 8 + 2 + 4$

$= 10 + 4$

$= 14$

I need +2 to make 10



Subtraction

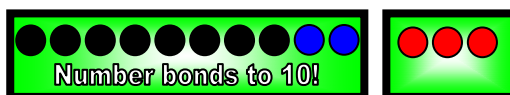
Example: $13 - 5$

$13 - 3 - 2$

$= 10 - 2$

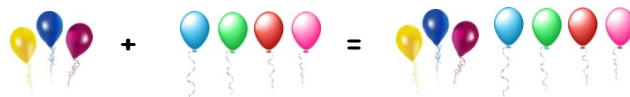
$= 8$

I need -3 to make 10



9 Addition & subtraction problems

3 balloons and 4 balloons make 7 balloons



We can write: $3 + 4 = 7$

7 balloons and 3 balloons burst leaves 4 balloons



We can write: $7 - 3 = 4$

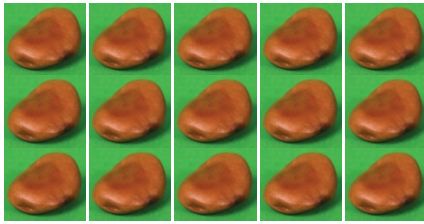
NOTICE

$7 - 3 = 4$

$3 + 4$

10 Multiplication and division

- A gardener sows some bean seeds



- How many seeds did he plant?

Answer: $3 \times 5 = 15$

or $5 \times 3 = 15$

- The gardener planted 15 seeds in 3 rows. How many seeds in each row?

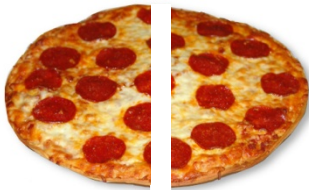
Answer: $15 \div 3 = 5$

11 Recognise and name a half

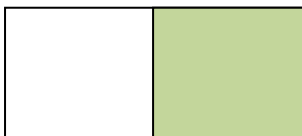
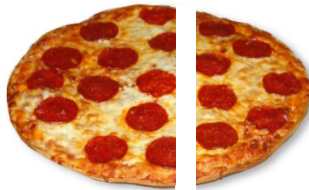
We write: $\frac{1}{2}$

Split into two equal parts

$\frac{1}{2}$ YES



$\frac{1}{2}$ NO!!!!



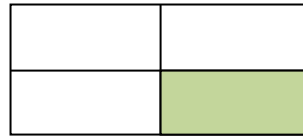
Half of a rectangle



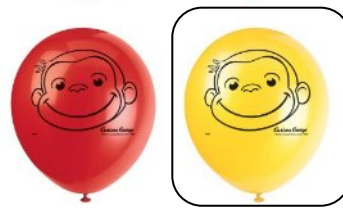
Half of the

12 Recognise and name a quarter

We write: $\frac{1}{4}$



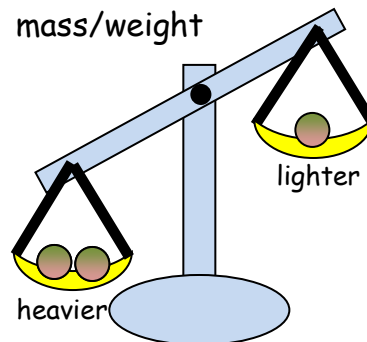
quarter of a



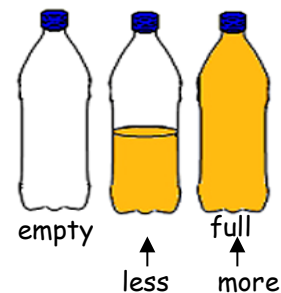
quarter of the balloons

13 Measures

- mass/weight



- capacity/volume



- time



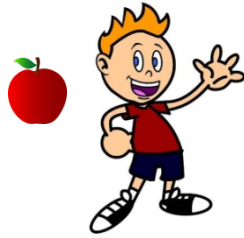
- length



14 Measuring

- mass/weight

weight of an apple - grams



weight of a boy - kilograms

- capacity/volume

medicine spoon - millilitres



bucket of water - litres

- time

count to 20 - seconds



eat your dinner - minutes

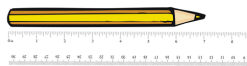


sleep - hours

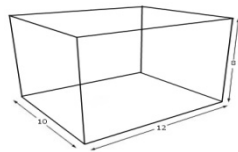


- Length

A pencil - centimetres



The school hall - metres



Road distance- kilometres



15 Value of coins

1p

2p

5p

10p



20p

50p

£1

£2

15 Value of notes



16 Sequence events

1. Watched some TV



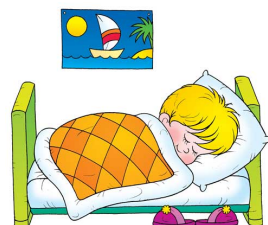
2. Came home from school



3. Brushed my teeth



4. Went to bed



5. Had my tea

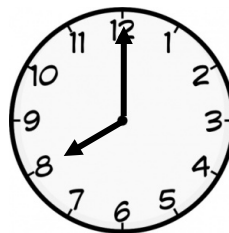


6. Did my homework

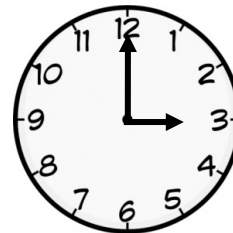


18 Tell the time

The long pointer is called the MINUTE hand.
The short pointer is called the HOUR hand
When the **long pointer** is on 12, we say **o'clock**

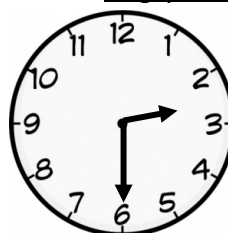


8 o'clock

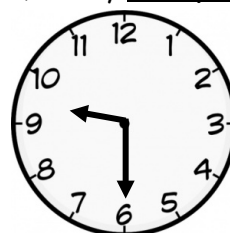


3 o'clock

When the **long pointer** is on 6, we say '**half past**'



Half past 2



Half past 9

17 Dates

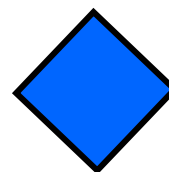


19 Recognise 2D shapes

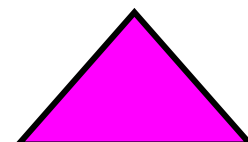
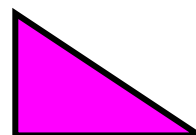
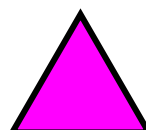
- Rectangle



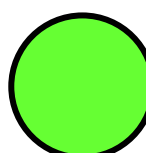
- Square



- Triangle



- Circle

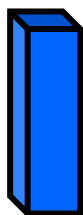


To write the date

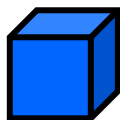
Today is Thursday 3rd April 2015

19 Recognise 3D shapes

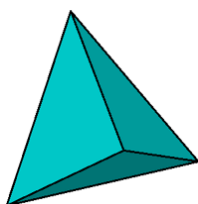
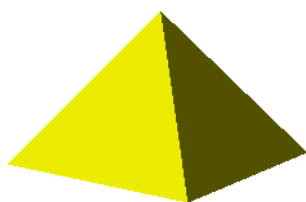
- Cuboid



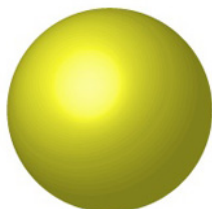
- Cube



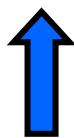
- Pyramid



- Sphere



- Direction



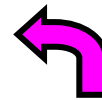
Forward



Backward



Turn right



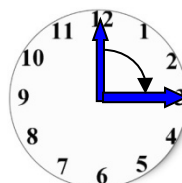
Turn left

- Movement

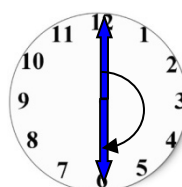
ANTICLOCKWISE



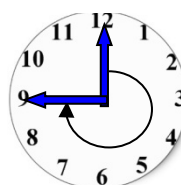
CLOCKWISE



Clockwise (1 right angle)
or $\frac{1}{4}$ turn



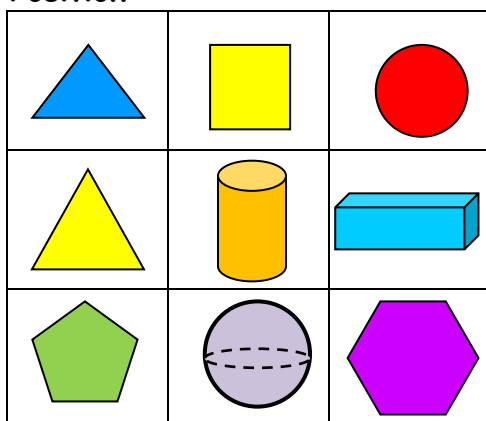
Clockwise (2 right angles) or
 $\frac{1}{2}$ turn



Clockwise (3 right angles) or
 $\frac{3}{4}$ turn

20 Position, direction and movement

- Position



What shape is **above** the cuboid?

Answer: circle

What shape is **below/under** the blue triangle?

Answer: yellow triangle

What shape is **right** of the green pentagon?

Answer: sphere

What shape is **left** of the circle?

Answer: square