Year 2 PROMPT sheet

Know the 2, 3, 5, 10 times tables

0	x	2	=	0
1	x	2	=	2
2	x	2	=	4
3	x	2	=	6
4	x	2	=	8
5	x	2	=	10
6	x	2	=	12
7	x	2	=	14
8	x	2	=	16
9	x	2	=	18
10	x	2	=	20
11	x	2	=	22
12	x	2	=	24

0	x	5	=	0
1	x	5	=	5
2	x	5	=	10
3	x	5	=	15
4	x	5	=	20
5	x	5	=	25
6	x	5	=	30
7	x	5	=	35
8	x	5	=	40
9	x	5	=	45
10	x	5	=	50
11	x	5	=	55
12	x	5	=	60

0	x	10	=	0
1	x	10	=	10
2	x	10	=	20
3	x	10	=	30
4	x	10	=	40
5	x	10	=	50
6	x	10	=	60
7	x	10	=	70
8	x	10	=	80
9	x	10	=	90
10	x	10	=	100
11	x	10	=	110
12	x	10	=	120

0	x	3	=	0
1	x	3	=	3
2	x	3	=	6
3	x	3	=	9
4	x	3	=	12
5	x	3	=	15
6	x	3	=	18
7	x	3	=	21
8	x	3	=	24
9	x	3	=	27
10	x	3	=	30
11	x	3	=	33
12	x	3	=	36

Count in 10s

tens	units
3	7

Counting up in tens this digit changes:

37 47 57 67 77 87

Place value

tens	units
2	8

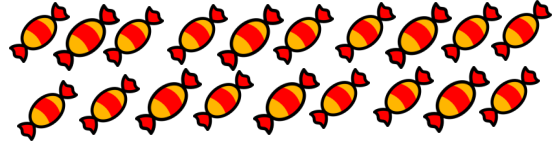28 means 2 tens and 8 units (ones)

20 and 8

Estimate numbers
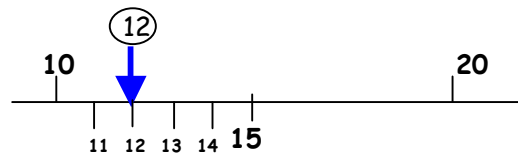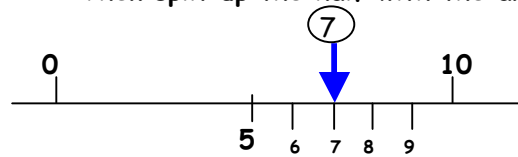- **Eyeball estimate**

Here are 3 sweets

Use this to estimate larger amounts

- **Estimate on a number line**

Fill in the half way number first
Then split up the half with the arrow

Order numbers

Ten	Unit
3	7
3	2
7	6
6	2

♦ Begin at the tens and compare

76 is the biggest
62 is next biggest

Ten	Unit
3	7
3	2
7	6
6	2

♦ Move to the units and compare

Order is: 76   62   37   32

Inequality symbols

Mr. Alligator is hungry for lunch

9 > 5

Find the biggest number and

MUNCH MUNCH MUNCH

We say: **9** is bigger than **5**

We write: 9   **>**   5

We say   **5** is smaller than **9**

We write: 5   **<**   9

Numbers in figures and words

1	one	11	eleven
2	two	12	twelve
3	three	13	thirteen
4	four	14	fourteen
5	five	15	fifteen
6	six	16	sixteen
7	seven	17	seventeen
8	eight	18	eighteen
9	nine	19	nineteen
10	ten		

20	twenty	30	thirty
21	twenty one	40	forty
22	twenty two	50	fifty
23	twenty three	60	sixty
24	twenty four	70	seventy
25	twenty five	80	eighty
26	twenty six	90	ninety
27	twenty seven	100	one hundred
28	twenty eight		
29	twenty nine		

Addition & subtraction problems
Words for ADD

altogether	sum of	total	plus

Words for SUBTRACT

take away	how many left?	difference

how many more?	how many less?

Addition facts to 10
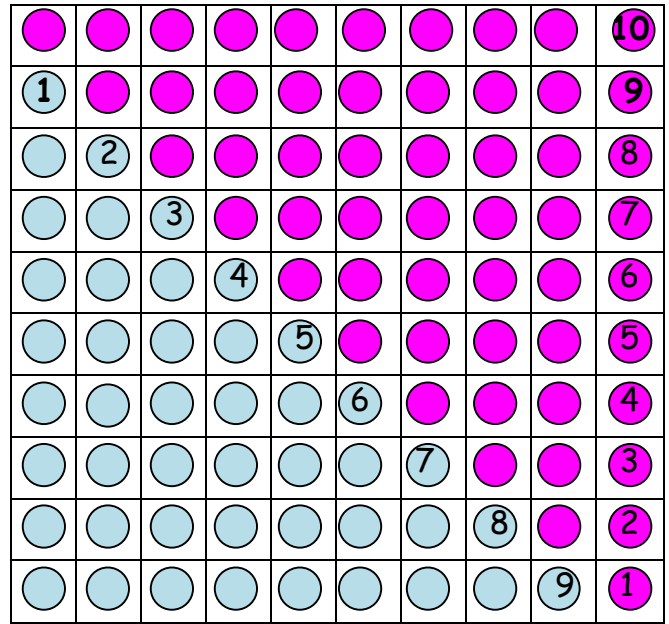
0 + 10	1 + 9	2 + 8	3 + 7	4 + 6
10 + 0	9 + 1	8 + 2	7 + 3	6 + 4

5 + 5

Addition facts to 20

10 + 10	11 + 9	12 + 8	13 + 7	14 + 6
15 + 5	16 + 4	17 + 3	18 + 2	19 + 1

20 + 0

Subtraction is the inverse of addition
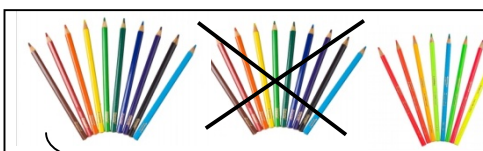
3   +   2   =   5
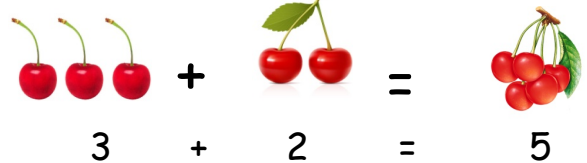
5   -   2   =   3

5   -   3   =   2

Add & subtract
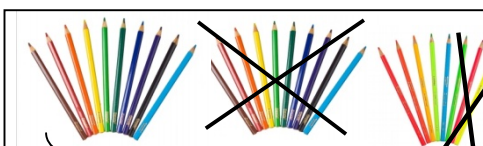
20   +   8   = 28

```
  20
   8 +
  28
```


28   – 3   = 25

```
  28
   3 -
  25
```


28   – 10   = 18

```
  28
  10 -
  18
```


28   – 13   = 15

```
  28
  13 -
  15
```

Add & subtact

7 + 3 = 10 is the same as 3 + 7   👍

10 – 7 = 3 is NOT the same as 7-10   👎

Add & subtact

Fact family for add and subtract

13 + 7 = 20

20 - 13 = 7   20 - 7 = 13
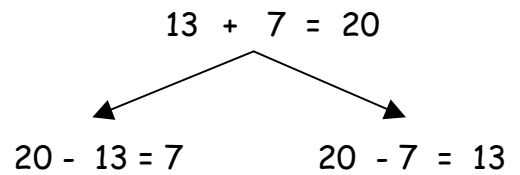
2, 5, 10 times tables

♦ **See 2/1**

Odds & even numbers

• **Even numbers** – can be paired up

Tip – the last digit always 0   2   4   6   8

• **Odd numbers** – cannot be paired up

Tip – the last digit always 1   3   5   7   9

Multiply & divide

Words for MULTIPLY

| times | product | double | triple |

Words for DIVIDE

| share | split |

Words for EQUALS

| is | gives |

Fact family for multiply and divide

7 x 5 = 35
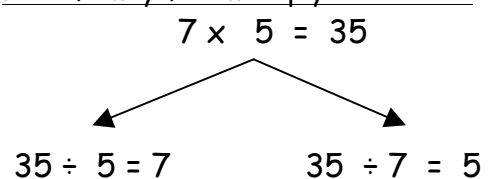
35 ÷ 5 = 7   35 ÷ 7 = 5

Multiply & divide

7 x 5 = 35 is the same as 5 x 7 👍

35 ÷ 7 = 5 is NOT the same as 7÷35 👎

Multiply & divide

Example1: Here are 20 sweets to share
        Each child gets 5 sweets
        How many children are there?

Divide them up into groups of 5 sweets-like this
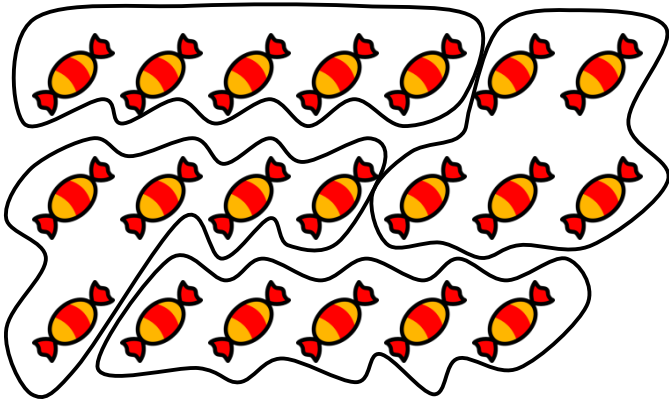
There must be 4 children

Example2: Here are 12 marbles to share
        There are 4 children.
        How many marbles does each get?

Divide them up into 4 groups - like this

Each child gets 3 marbles

Repeated addition (Multiplication)

Here are 3 footballers.
How many legs do they have altogether?

Addition sentence	Multiplication sentence
2 + 2 + 2 = 6	3 x 2 = 6

Repeated addition is the same as multiplication

Addition sentence	Multiplication sentence
5 + 5 + 5 + 5 = 20	**4 x 5 = 20**
10 + 10 + 10 = 30	**3 x 10 = 30**

Repeated subtraction (Division)
Repeated subtraction is the same as division

15
-5 (1)
10
-5 (2)
 5
-5 (3)
 0

This is the same as
15 ÷ 5 = 3

Because 5 has been subtracted 3 times to get to 0

Fractions

To work out a half
Split into two equal parts
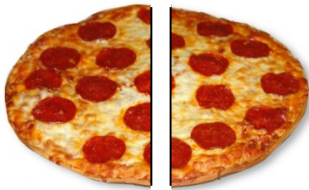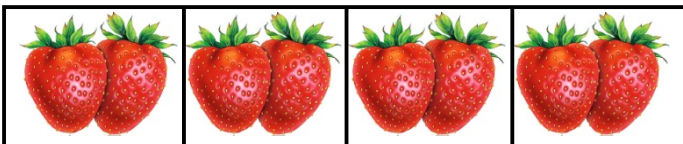
YES   NO!!!!
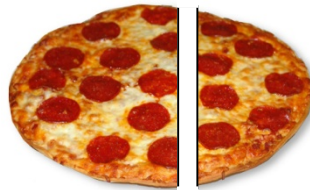
10sweets ÷ 2 = 5sweets

OR $\frac{1}{2}$ **of 10 = 10 ÷ 2 = 5**

To work out a quarter
Split into four equal parts
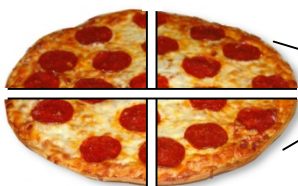
$$\frac{2}{4} = \frac{1}{2}$$

8 strawberries ÷ 4 = 2 strawberries

OR $\frac{1}{4}$ **of 8 = 8 ÷ 4 = 2**

Units of measure

:

Millimetre (mm)

↓

Centimetre (cm)

↓

Metre (m)

↓

Kilometre (km)

1cm = 10mm   2cm = 20mm   4.5cm = 45mm

1cm   2cm   3cm   4cm   5cm
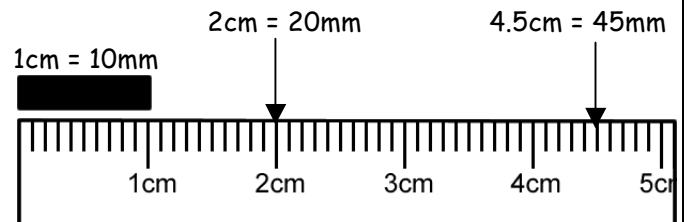
- ◆ A big stride is about a metre

- ◆ Distance to Dublin is measured in kilometres

Áth Cliath Km
DUBLIN   18

METRIC units of mass are:

Gram (g)

↓

Kilogram (kg)

1 kilogram(kg) = 1000grams(g)

- ◆ An apple weighs 150grams

- ◆ Baby chimp weighs 3kg

Units of measure (continued)

METRIC units of capacity (liquids) are:

Millilitre (ml)

↓

Centilitre (cl)

↓

Litre (l)

♦ A medicine spoon holds 5ml

♦ A 5-litre bucket

♦ Fuel for the car is measured in litres

Compare units of measure

Think of the units of mass then order:
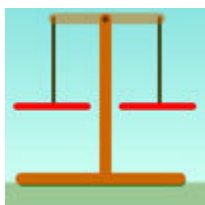
| a bar of chocolate |
| your teacher |
| a blown-up balloon |
| a loaf of bread |

A blown-up balloon **<** a bar of chocolate **<** a loaf of bread **<** your teacher

Think of the units of length used then order:

| How high you could jump in the air |
| How far you can kick a football |
| How far you can run in ½ minute |
| Length of a bug |

Length of a bug **<** you could jump in the air **<** you can kick a football **<** you can run in half a minute

Money

To write amounts of money

£3 or £3.00

50p or £0.50

£3.50 or 350p **BUT never £3.50p or £3.5**

Value of coins

1p or £0.01	2p or £0.02	5p or £0.05	10p or £0.10
20p or £0.20	50p or £0.50	£1 or £1.00	£2 or £2.00

Bills and change

To add amounts of money

24p + 32p
=20p + 4p + 30p + 2p
=20p + 30p + 4p + 2p
=50p + 6p
=56p

To find change from £1

Subtraction method	Add-on method
£1 – 56p	56p + 4p = 60p
= £1 – 50p – 6p	60p + 40p = £1
	= 4p + 40p
= 50p – 6p	= 44p
= 44p	

Sequence of time

Smallest   Second(s)   60

Minute(min)   60

Hour(h)   24

Day   7

Week   4

Month   12

Largest   Year

Write time

My Clock

o'clock
five to   five past
ten to   ten past
quarter to   quarter past
twenty to   twenty past
twenty five to twenty five past
half past

ww.communication4all.co.uk

The time shown is:
5 past 6   OR   6:05

2D shapes
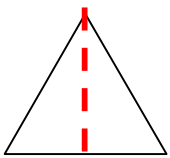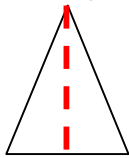
♦ 3 sides – Triangles

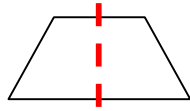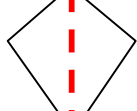A vertical line of symmetry

equilateral   isosceles

♦ 4 sides - Quadrilaterals
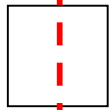
rectangle   square   parallelogram
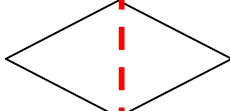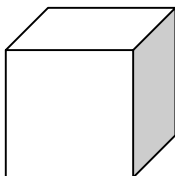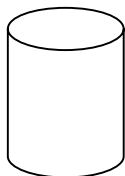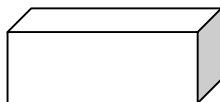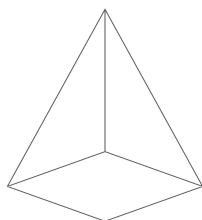
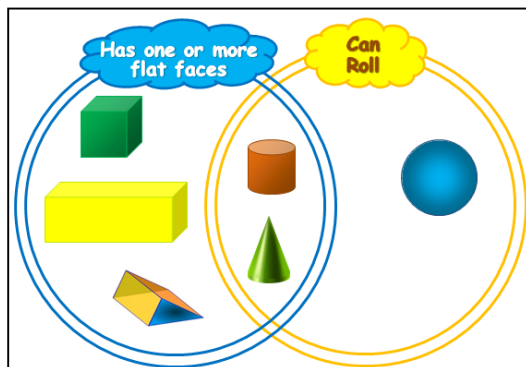trapezium   kite   rhombus

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3D shapes

cube   cylinder   cuboid

pyramid   sphere

---

corner   edge   face

2D shapes on 3D shapes

6 faces – all rectangles

5 faces – 2 triangles
         - 3 rectangles

3 faces – 2 circles
         - 1 curved surface

2 faces – 1 circle
         - 1 curved surface

5 faces – 1 rectangle
         - 4 triangles
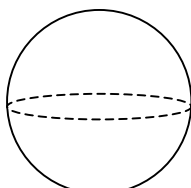
To sort 2D shapes and 3D shapes

rectangles   not rectangles

red

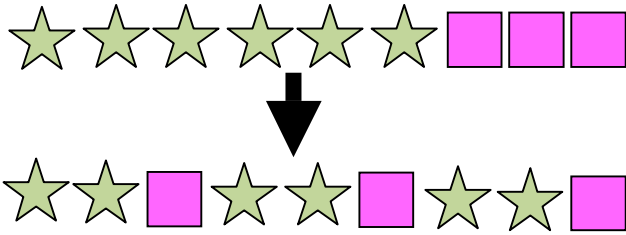not red

Carroll diagram

Has one or more flat faces   Can Roll
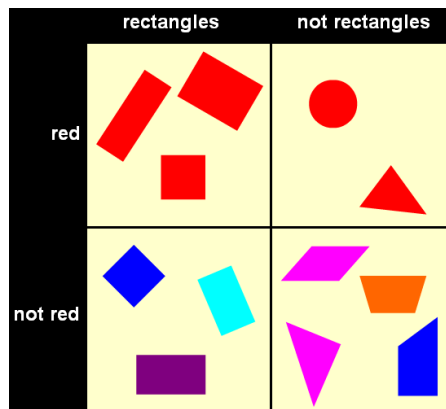
Venn diagram

Sequence of shapes

Make these shapes into a pattern

Describe position, direction & movement

LEFT   RIGHT

ANTICLOCKWISE   CLOCKWISE

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

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

Half turn (2 right angles)

Tables and graphs

Pictogram of Year 2 favourite fruits

Apple

Banana

Grape

Orange
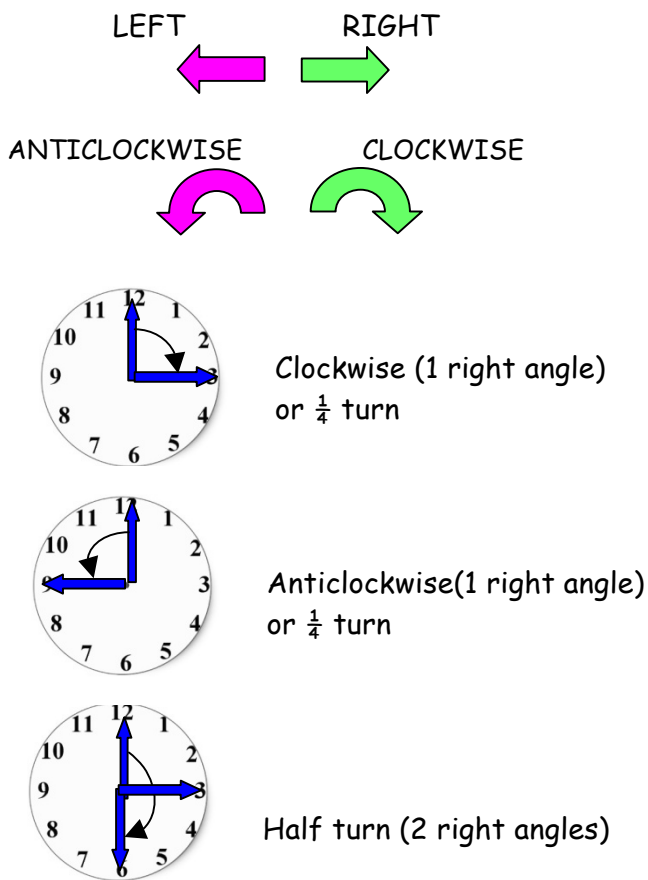
Tally chart showing animals in the zoo

Animal	Tally	Number of animals
Penguin	IIII	4
Lion	III	3
Snake	IIII I	6
Giraffe	II	2
Monkey	IIII II	7

Block graph to show animals in the zoo
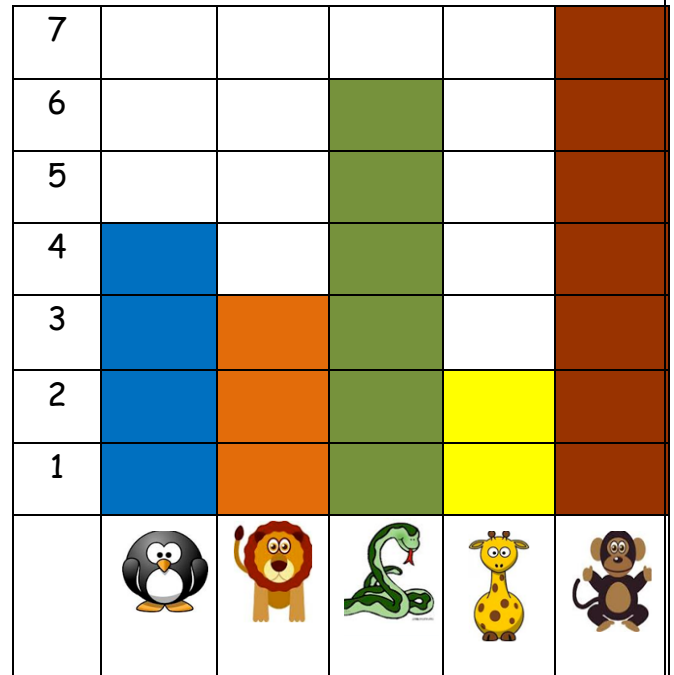
Questions about tables and graphs

Example:
Questions about 'Animals in the zoo'

1. How many animals are there altogether?

   4+3+6+2+7=22

2. How many more monkeys are there than lions?

   7-3=4

3. What animal is there least of?

   giraffe