

# YEAR 2 PROMPT sheet

## 2/1 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

## 2/2 Place value

tens	units
2	8

28 means 2 tens and 8 units (ones)  
20 and 8

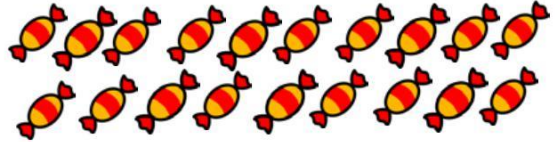
## 2/3 Estimate numbers

- Eyeball estimate



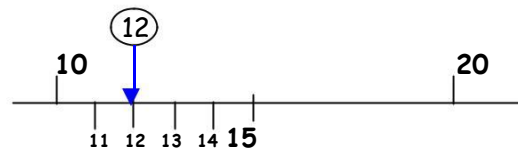
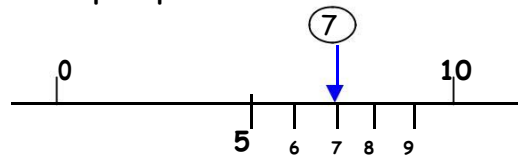
Here are  
3 sweets

## 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



## 2/4 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

## 2/4 (continued) Inequality symbols



We say: 9 is bigger than 5

We write: 9 > 5

We say: 5 is smaller than 9

We write: 5 < 9

## 2/5 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  
21 twenty one  
22 twenty two  
23 twenty three  
24 twenty four  
25 twenty five  
26 twenty six  
27 twenty seven  
28 twenty eight  
29 twenty nine

30 thirty  
40 forty  
50 fifty  
60 sixty  
70 seventy  
80 eighty  
90 ninety  
100 one hundred

## 2/6 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?

## 2/7 Addition facts to 10

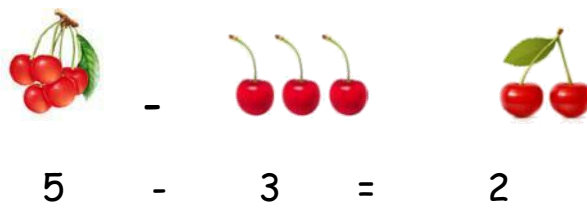
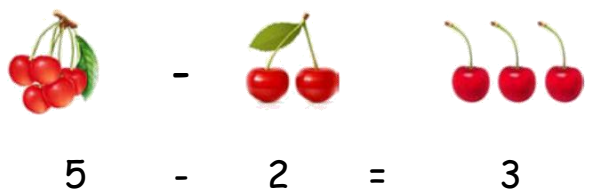
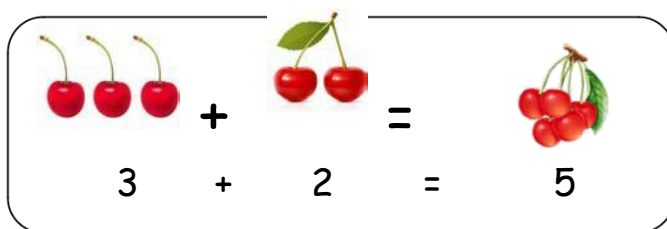
10									
9	1								
8		2							
7			3						
6				4					
5					5				
4						6			
3							7		
2								8	
1									9

0 + 10	1 + 9	2 + 8	3 + 7	4 + 6
10 + 0	9 + 1	8 + 2	7 + 3	6 + 4
		5 + 5		

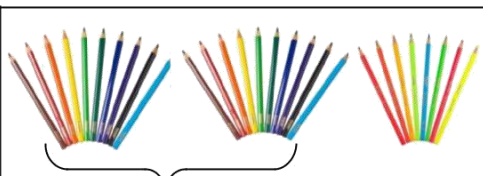
## Addition facts to 20

10 + 10	11 + 9	12 + 8	13 + 7	14 + 6
15 + 5	16 + 4	17 + 3	18 + 2	19 + 1
		20 + 0		

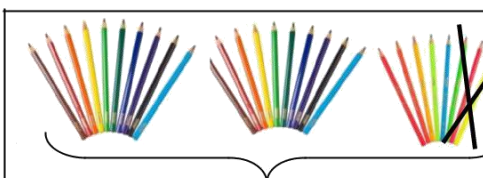
## Subtraction is the inverse of addition



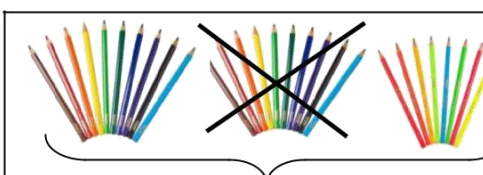
## 2/8 Add & subtract



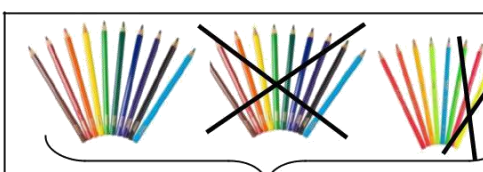
$$20 + 8 = 28$$

$$\begin{array}{r} 20 \\ + 8 \\ \hline 28 \end{array}$$


$$20 - 3 = 17$$

$$\begin{array}{r} 20 \\ - 3 \\ \hline 17 \end{array}$$


$$20 - 10 = 10$$

$$\begin{array}{r} 20 \\ - 10 \\ \hline 10 \end{array}$$


$$20 - 13 = 7$$

$$\begin{array}{r} 20 \\ - 13 \\ \hline 7 \end{array}$$

## 2/9 Add & subtract

$7 + 3 = 10$  is the same as  $3 + 7$



$10 - 7 = 3$  is NOT the same as  $7 - 10$



## 2/10 Add & subtract

Fact family for add and subtract

$$13 + 7 = 20$$

$$20 - 13 = 7$$

$$20 - 7 = 13$$

## 2/11 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

## 2/12 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

$$7 \times 5 = 35$$

$$35 \div 5 = 7$$

$$35 \div 7 = 5$$

## 2/13 Multiply & divide

$7 \times 5 = 35$  is the same as  $5 \times 7$



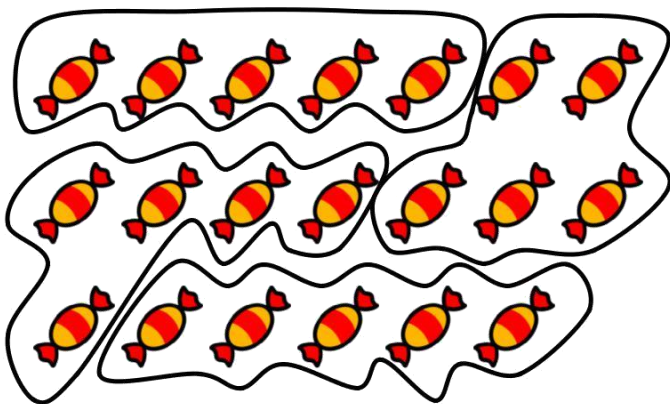
$35 \div 7 = 5$  is NOT the same as  $7 \div 35$



## 2/14 Multiply & divide

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

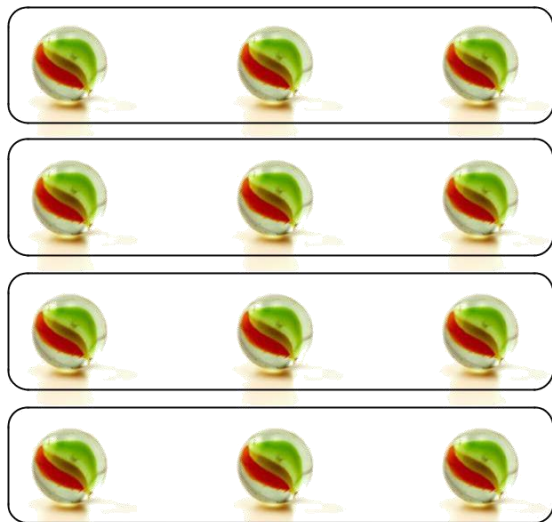
Divide them up into groups of 5 sweets-like this



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



## Repeated addition (Multiplication)



Here are 3 footballers.

How many legs do they have altogether?

Addition sentence

$$2 + 2 + 2 = 6$$

Multiplication sentence

$$3 \times 2 = 6$$

Repeated addition is the same as multiplication

Addition sentence

$$5 + 5 + 5 + 5 = 20$$

Multiplication sentence

$$4 \times 5 = 20$$

$$10 + 10 + 10 = 30$$

$$3 \times 10 = 30$$

## 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

$$15 \div 5 = 3$$

Because 5 has been  
subtracted 3 times  
to get to 0

Each child gets 3 marbles



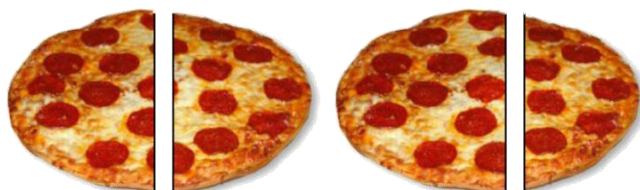
## 2/15 & 16 Fractions

### To work out a half

Split into two equal parts

YES

NO!!!!

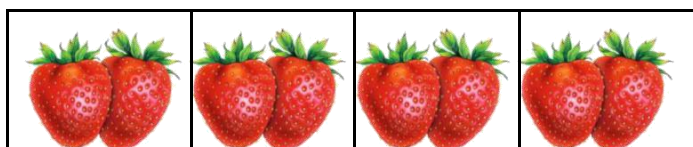
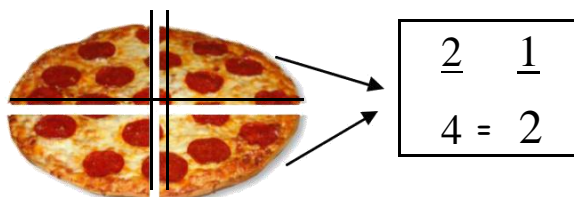


$$10\text{sweets} \div 2 = 5\text{sweets}$$

$$\text{OR } \frac{1}{2} \text{ of } 10 = 10 \div 2 = 5$$

### To work out a quarter

Split into four equal parts



$$8 \text{ strawberries} \div 4 = 2 \text{ strawberries}$$

$$\text{OR } \frac{1}{4} \text{ of } 8 = 8 \div 4 = 2$$

## 2/17 Units of measure

### METRIC units of length are:

Millimetre (mm)



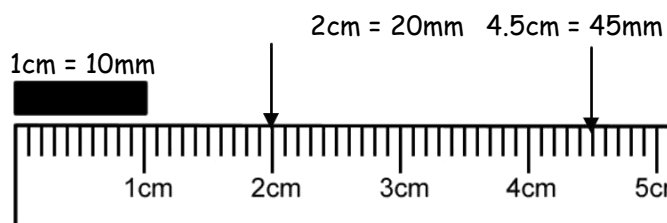
Centimetre (cm)



Metre (m)



Kilometre (km)



- ♦ A big stride is about a metre



- ♦ Distance to Dublin is measured in kilometres



### METRIC units of mass are:

Gram (g)



Kilogram (kg)



$$1 \text{ kilogram(kg)} = 1000\text{grams(g)}$$

- ♦ An apple weighs 150grams



- ♦ Baby chimp weighs 3kg



## 2/17 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

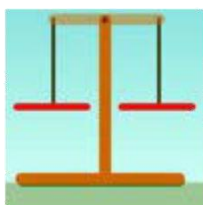


- ♦ Fuel for the car is measured in litres



## 2/18 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  $\frac{1}{2}$  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

## 2/19 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

## 2/20 Bills and change

To add amounts of money

$$\begin{aligned} & 24p + 32p \\ &= 20p + 4p + 30p + 2p \\ &= 20p + 30p + 4p + 2p \\ &= 50p + 6p \\ &= 56p \end{aligned}$$

To find change from £1

### Subtraction method

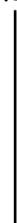
$$\begin{aligned} & £1 - 56p \\ &= \underbrace{£1 - 50p} - 6p \\ &= 50p - 6p \\ &= 44p \end{aligned}$$

### Add-on method

$$\begin{aligned} & 56p + 4p = 60p \\ & 60p + 40p = £1 \\ &= 4p + 40p \\ &= 44p \end{aligned}$$

## 2/21 Sequence of time

Smallest



Largest

Second(s) 60  
Minute(min) 60  
Hour(h) 24  
Day 7  
Week 7  
Month 4  
Year 12

## 2/22 Write time

### My Clock



The time shown is:

5 past 6 OR 6:05

## 2/23 2D shapes

♦ 3 sides - Triangles



equilateral isosceles

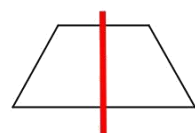
♦ 4 sides - Quadrilaterals



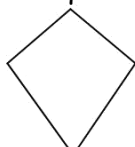
rectangle

square

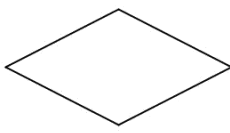
parallelogram



trapezium



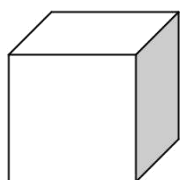
kite



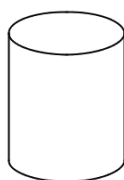
rhombus

A vertical line of symmetry

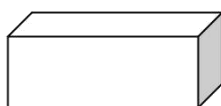
## 2/24 3D shapes



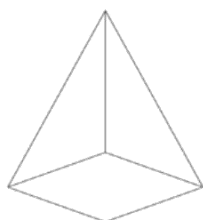
cube



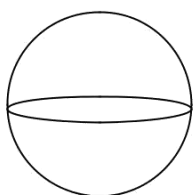
cylinder



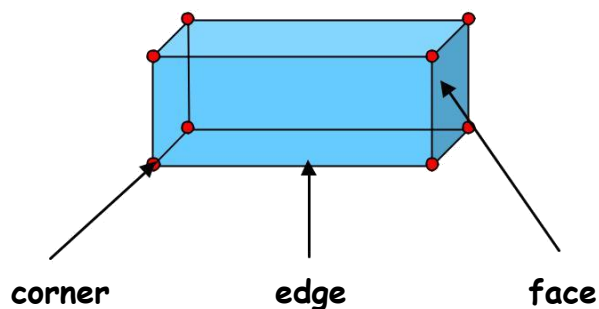
cuboid



pyramid



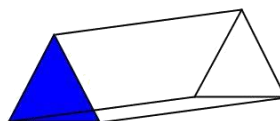
sphere



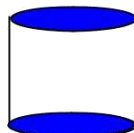
## 2/25 2D shapes on 3D shapes



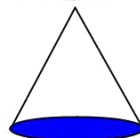
6 faces - all rectangles



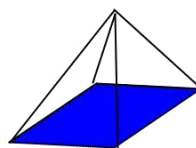
5 faces - 2 triangles  
- 3 rectangles



3 faces - 2 circles  
- 1 curved surface

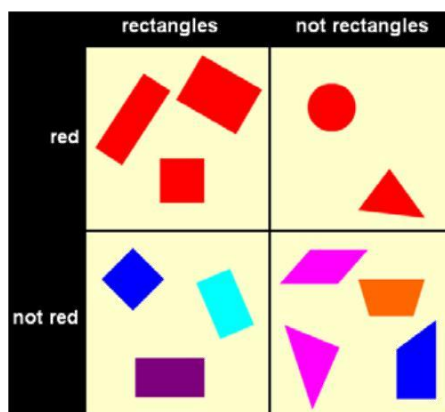


2 faces - 1 circle  
- 1 curved surface

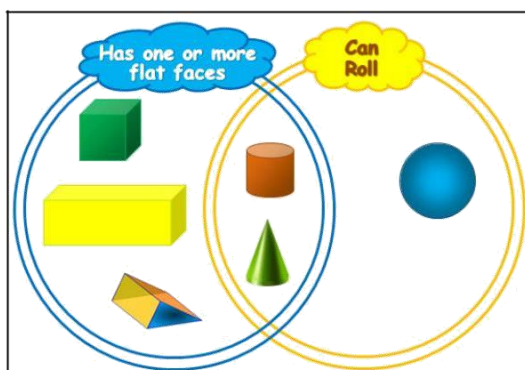


5 faces - 1 rectangle  
- 4 triangles

## 2/26 To sort 2D shapes and 3D shapes



Carroll diagram

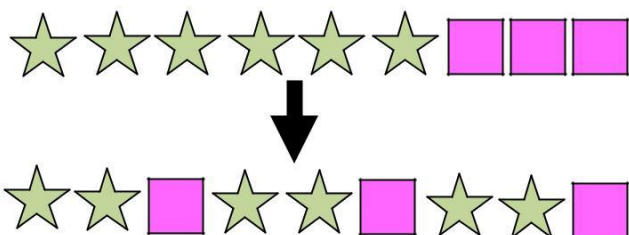


Venn diagram

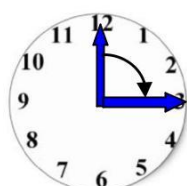
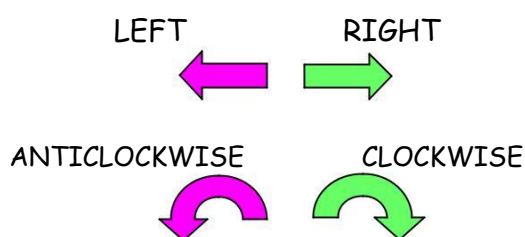


## 2/27 Sequence of shapes

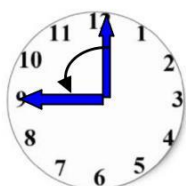
Make these shapes into a pattern



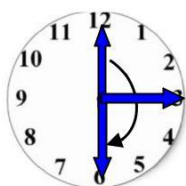
## 2/28 Describe position, direction & movement



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



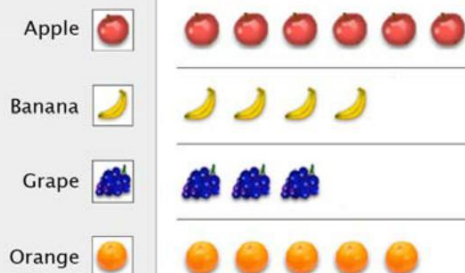
Anticlockwise (1 right angle)  
or  $\frac{1}{4}$  turn



Half turn (2 right angles)

## 2/29 Tables and graphs

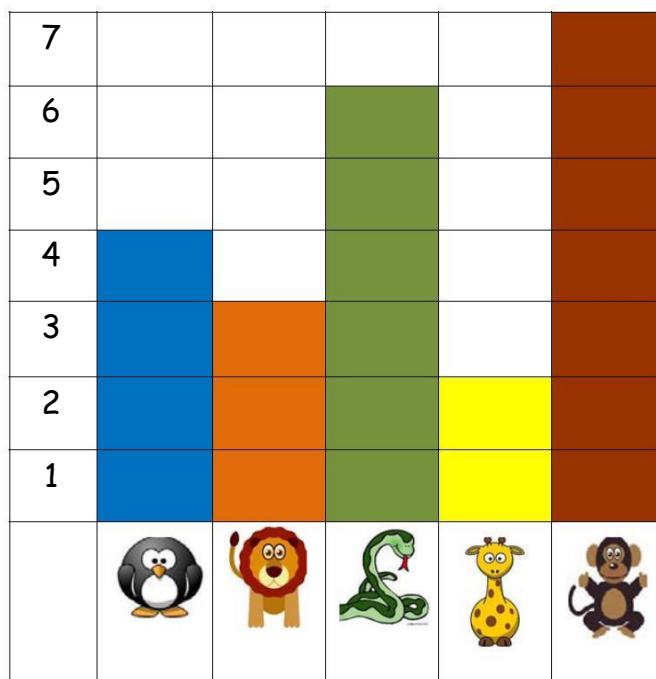
### Pictogram of Year 2 favourite fruits



## Tally chart showing animals in the zoo

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

## Block graph to show animals in the zoo



## 2/30 Questions about tables and graphs

Example:

Questions about 'Animals in the zoo'

- How many animals are there altogether?

$$4+3+6+2+7=22$$

- How many more monkeys are there than lions?

$$7-3=4$$

- What animal is there least of? giraffe