



Know the 2, 5, 10 times tables

2 times table

$1 \times 2 = 2$
 $2 \times 2 = 4$
 $3 \times 2 = 6$
 $4 \times 2 = 8$
 $5 \times 2 = 10$
 $6 \times 2 = 12$
 $7 \times 2 = 14$
 $8 \times 2 = 16$
 $9 \times 2 = 18$
 $10 \times 2 = 20$
 $11 \times 2 = 22$
 $12 \times 2 = 24$

Timestables.co.uk

5 times table

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

Timestables.co.uk

10 times table

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

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Count in 10s

tens	ones
3	7

Counting up in tens this digit changes:

37 47 57 67 77 87

2/2 Place value

tens	ones
2	8

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

Inequality symbols

We say: 9 is greater than 5

We write: 9 > 5

We say: 5 is less than 9

We write: 5 < 9

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

Order numbers

Ten	Ones
3	7
3	2
7	6
6	2



- Begin at the tens and compare

76 is the biggest
62 is next biggest

Ten	Ones
3	7
3	2
7	6
6	2

- Move to the units and compare

Order is: 76 62 37 32

Addition & subtraction problems

Words for ADD

altogether

sum of

total

plus

Words for SUBTRACT

take away

how many left?

difference

how many less?

Addition facts to 10

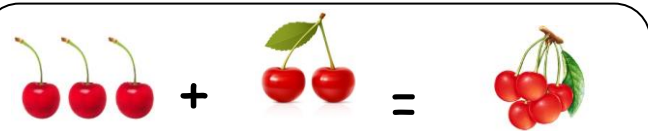
●	●	●	●	●	●	●	●	●	10
1	●	●	●	●	●	●	●	●	9
●	2	●	●	●	●	●	●	●	8
●	●	3	●	●	●	●	●	●	7
●	●	●	4	●	●	●	●	●	6
●	●	●	●	5	●	●	●	●	5
●	●	●	●	●	6	●	●	●	4
●	●	●	●	●	●	7	●	●	3
●	●	●	●	●	●	●	8	●	2
●	●	●	●	●	●	●	●	9	1

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

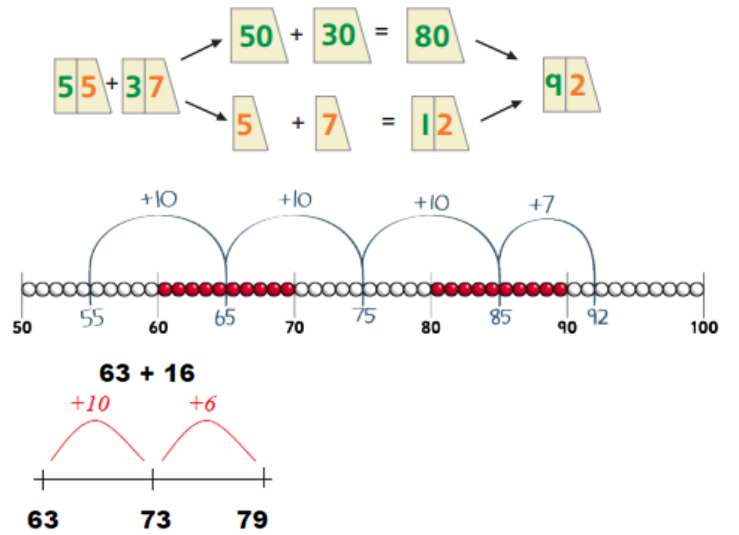


5 - 2 = 3

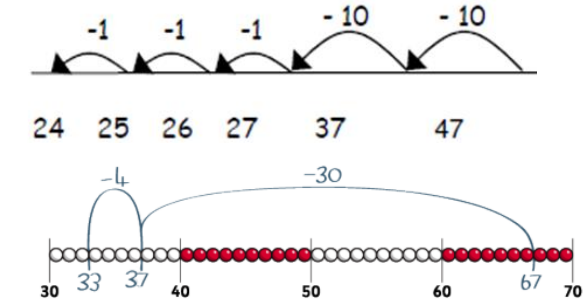


5 - 3 = 2

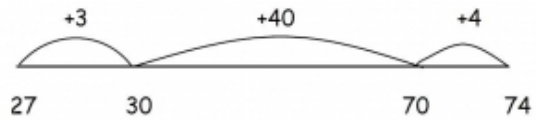
Add 2 digit numbers



Subtract 2 digit numbers

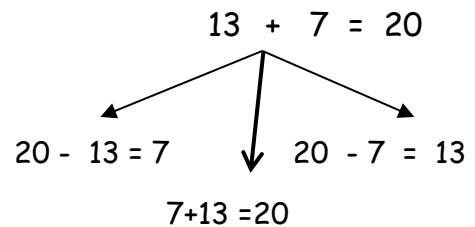


Counting up to subtract



Add & subtract

Fact family for add and subtract



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 and Divide

Here are 12 marbles to share

There are 4 children.

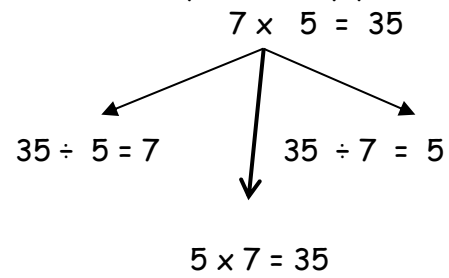
How many marbles does each get?

Divide them up into 4 groups - like this



Each child gets 3 marbles

Fact family for multiply and divide



Multiply & divide

$7 \times 5 = 35$ is the same as 5×7



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



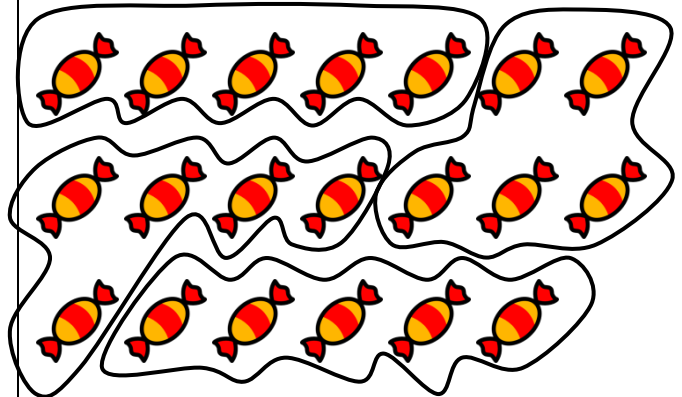
Multiply & divide

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

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

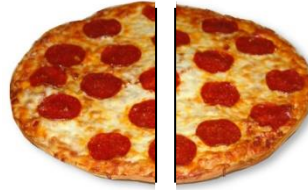
Addition sentence	Multiplication sentence
$5 + 5 + 5 + 5 = 20$	$4 \times 5 = 20$
$10 + 10 + 10 = 30$	$3 \times 10 = 30$

Fractions

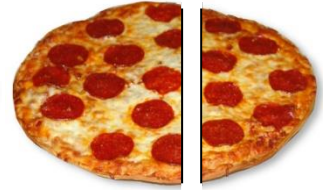
To work out a half

Split into two equal parts

YES



NO!!!!



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

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

Units of measure

METRIC units of length are:

Millimetre (mm)



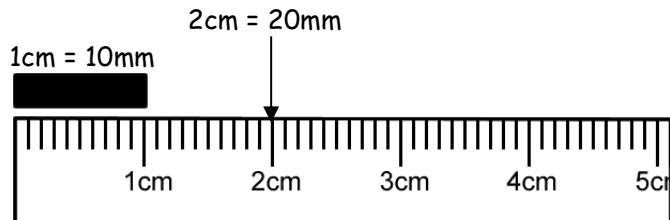
Centimetre (cm)



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 kilogram(kg) = 1000grams(g)

- ◆ An apple weighs 150grams

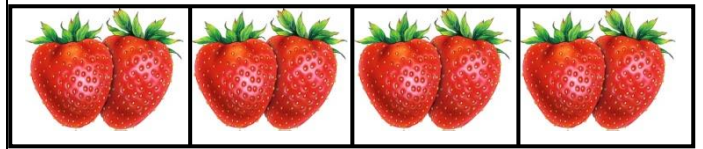
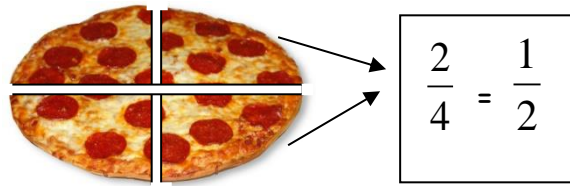


- ◆ Baby chimp weighs 3kg



To work out a quarter

Split into four equal parts



8 strawberries ÷ 4 = 2 strawberries

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

METRIC units of capacity (liquids) are:

Millilitre (ml)



Centilitre (cl)



Litre (l)

- ◆ A medicine spoon holds 5ml

- ◆ A 5-litre bucket

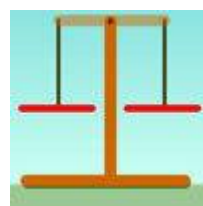


- ◆ Fuel for the car is measured in litres



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 bar of chocolate < a loaf of bread
< your teacher

Money

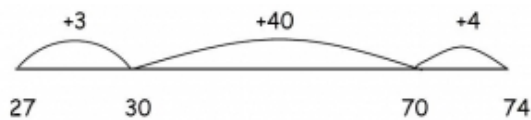


Bills and change

To add amounts of money

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

Find change using counting up



Sequence of Time



Write time

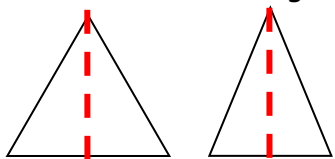


The time shown is:

5 past 6 OR 6:05

2D shapes

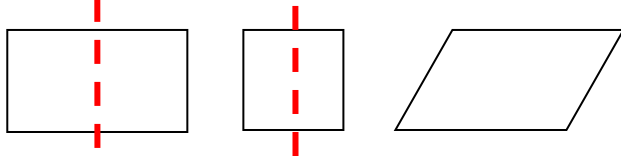
◆ 3 sides - Triangles



equilateral isosceles

A vertical line of symmetry

◆ 4 sides - Quadrilaterals

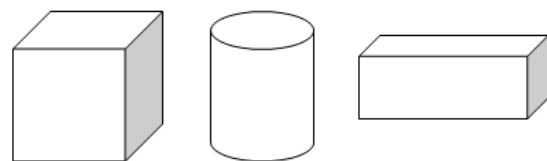


rectangle square parallelogram

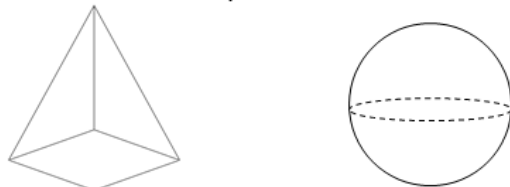


trapezium kite rhombus

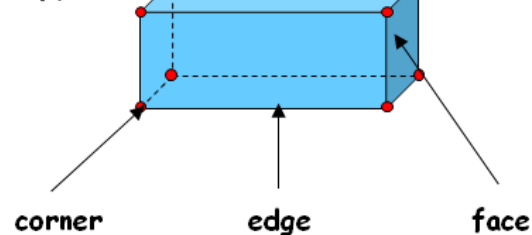
3D shapes



cube cylinder cuboid

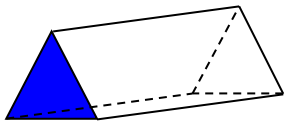


pyramid sphere

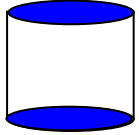


2D shapes on 3D shapes

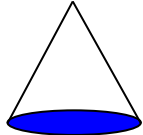
6 6 faces - all rectangles



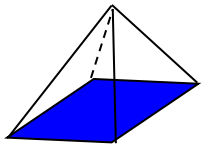
5 faces - 2 triangles
- 3 rectangles



3 faces - 2 circles
- 1 curved surface

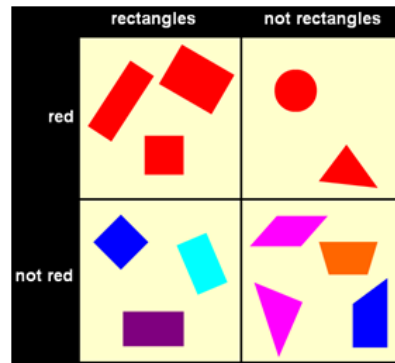


2 faces - 1 circle
- 1 curved surface

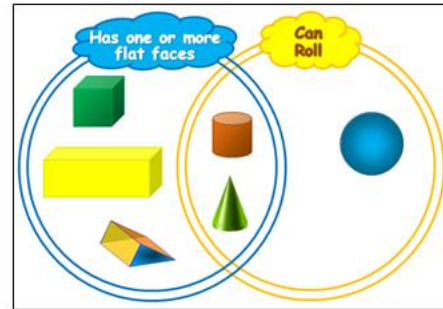


5 faces - 1 rectangle
- 4 triangles

Sorting Shapes



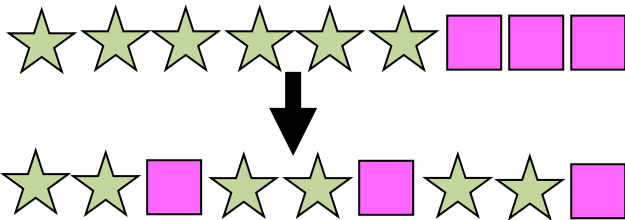
Carroll
diagram



Venn
diagram

Sequence of shapes

Make these shapes into a pattern



Tables and graphs

Pictogram of

Year 2 favourite fruits

Apple		
Banana		
Grape		
Orange		

Describe position, direction & movement

LEFT



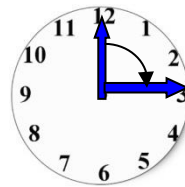
RIGHT



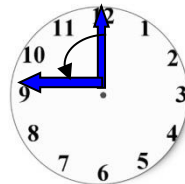
ANTICLOCKWISE



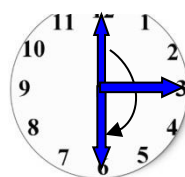
CLOCKWISE



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



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



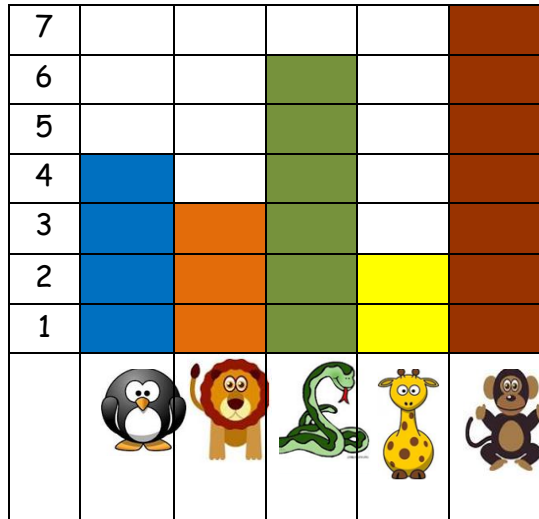
Half turn (2 right angles)

Questions about tables and graphs

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

Bar charts



Example:

Questions about 'Animals in the zoo'

1. How many animals are there altogether?
2. How many more monkeys are there than lions?
3. What animal is there least of?