

Miss Paine's favourite number is 4 because it is the only number spelt with the same number of letters as itself!

# Mr Kilduff's favourite number

Mr Kilduff and Ms Jackson are both going to be new like you in September. They haven't been to Brookvale Groby Learning campus yet.

Mr Kilduff has sent me some clues about his favourite number. Can you work it out?

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

Guess my number 1

The number is a multiple of 3

ATM

Guess my number 1

The digital sum is 6

ATM

Guess my number 1

Find the number between 1 and 99

ATM

Guess my number 1

It is more than 5 squared

ATM

Guess my number 1

One of the digits is a 2

ATM

Guess my number 1

It is less than 55

ATM

Guess my number 1

It is not a square number

ATM

Mrs Duffin's favourite number is 49. When you add another square number, 1, the answer is half of yet another square number, 100!

# The 24 game

One of our favourite things to do on transition is to play the 24 game. The aim of the game is to be the first person to make the number 24.

For each game you have 4 numbers, you have to use ALL four numbers, you can add, subtract, multiply or divide these to make 24.

Example:



2 2 6 8

To make 24, I can do  $(8 - 2) \times (6 - 2)$

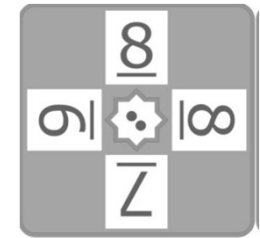
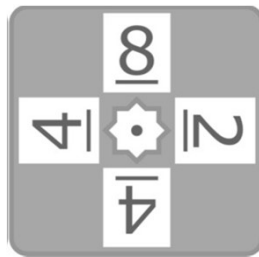
$$8 - 2 = 6$$

$$6 - 2 = 4$$

$$6 \times 4 = 24$$

Mr Fox's favourite mathematician is Ada Lovelace. She is believed to have notes outlining the first ever computer programme that had an algorithm to compute Bernoulli numbers. Mr Fox shares his birthday with Jacob Bernoulli. What is a Bernoulli number and when is Mr Fox's birthday?

Now you try!



Miss Johal's favourite mathematician is Mr Maynard-Smith... He knows lots about Maths!

# Math's Key Words

It is important that you understand key words used in math's as these will help you understand what a question is all about and how to answer it.

Can you find all the key words you will need in your first half term at Brookvale Groby learning Campus in the word search below?

Y R Y A P F F T Z P M M D Q U M Z L N U  
 F I J X F U D M E E B U D O N D I M X E  
 B D P J B K C D B R U F I H I B Y V W J  
 C K H U T U G Z I I Z M D L T V F S F S  
 Y P I Z P L N M G M I Q A W S Y V D R Q  
 H X A T M Y K O P E L S Q W R E P E W K  
 C O D K Q I A Q D T C T E E S M H R U T  
 P L A C E V A L U E G Q B T D Z D D M J  
 J V B S H U K I N R S M D D A T M N K N  
 Z T R K F S L D L P U C M M N M O U G M  
 W O O Z D A I P C N R Q E X Z P I H J M  
 E M N T M N V Y E C C C Q N A R J T Q N  
 U K E I G T V R C F R N B H D Q H Z S X  
 P N C X A U A L G N S L B W V I D I D E  
 S E T F O U K L W Q C T I R Q N N P N E  
 D Z J D Q P T C A R T B U S O R K G B F  
 F V N S N I T G B P K G L R W U D J R V  
 O F V S G P O L Y G O N Q I X R N R O L  
 O U J V F K T B N Q V Z U D U V A D K O  
 E L E F T K D W E F Y A C L J T J N R L

ADD	PLACEVALUE
ASCENDING	POLYGON
DECIMAL	ROUND
DESCENDING	SQUARENUMBER
ESTIMATE	SUBTRACT
HUNDREDS	TENS
PERIMETER	UNITS

## Famous Mathematician Fact!

Leonard Euler (pronounced oiler), was a Swiss Mathematician and Physicist. He spent most of his life in Germany and Russia. Euler made important discoveries in the fields on calculus and topology. He also made many of the words used in Math's today!