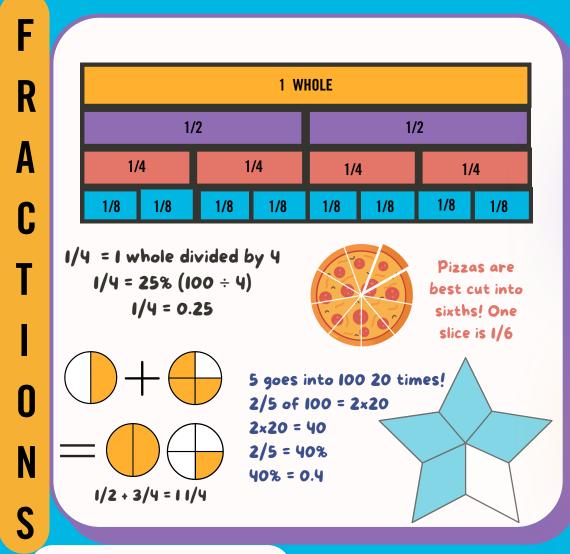
#### in maths, every problem has a solution!





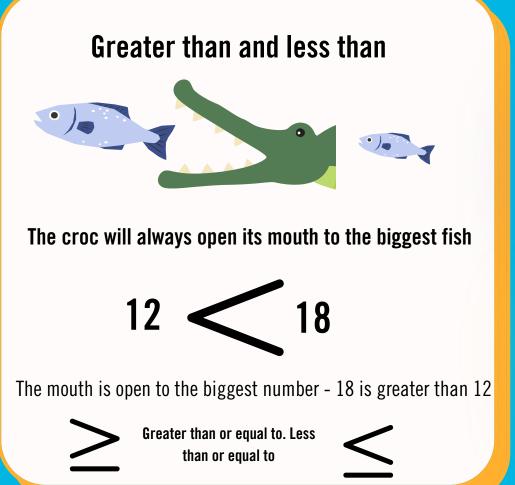
istakes

llow

... AND EQUIVALENTS

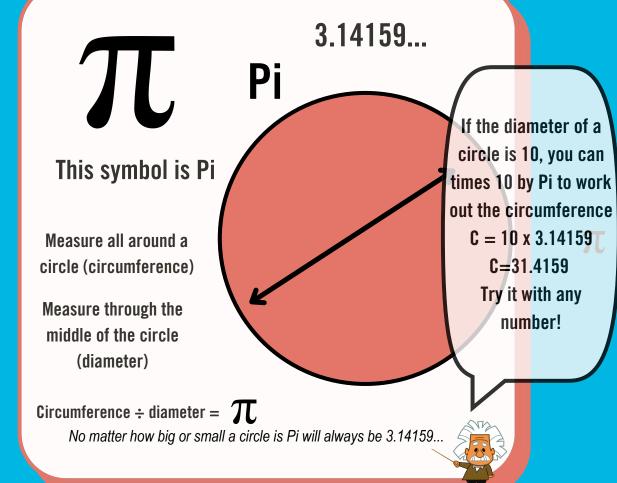
#### What acute

triangle!

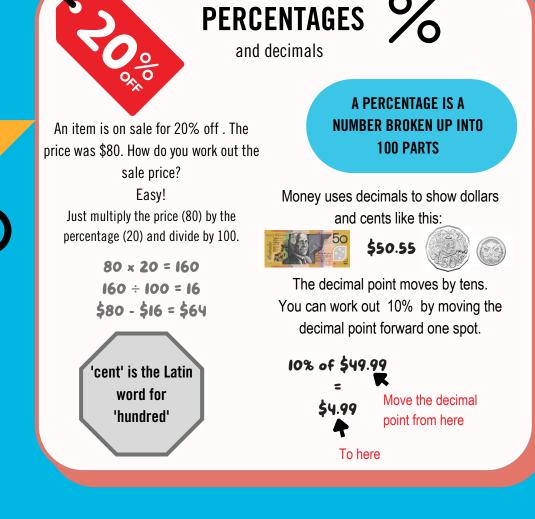


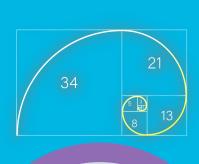
hinking to

appen



#### **This** symbol means infinity





A Fibonacci spiral is a mathematical pattern that is found in nature - from sea shells to ferns, all the way to galaxies in space, and even your ear!

	SQUAR	E - CUBE							
A nu		red is a number sitself	A number cubed is a number times itself and then again						
1	$ ^2 = 1 $	(1x1)	$1^3 = 1$	(1x1x1)					
2	$2^2 = 4  ($	(2x2)		(2x2x2)					
3	$3^2 = 9 $	(3x3)	$3^3 = 27$	(3x3x3)					
4	$l^2 = 16$	(4x4)	$4^3 = 64$	(4x4x4)					
5	$5^2 = 25$	(5x5)	$5^3 = 12$	5 (5x5x5)					
6	$6^2 = 36$	(6x6)	$6^3 = 21$	6 (6x6x6)					
	<b>/</b>								
The	ese are squ	iare numbers	These are cubed numbers						
	A square root is a number multiplied by itself to make a square number, so $\sqrt{25} = 5$ The square root of 25 is 5!								
	This is the square root sign								

This symbol means 'sum of'



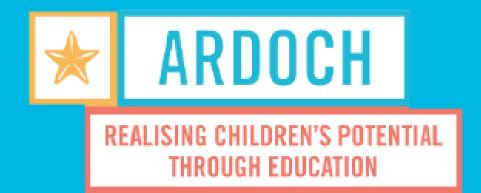


#### in maths, every problem has a solution!



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C

×	0	ı	2	3	4	5	6	7	8	9	10	П	12
0	0	o	o	o	0	o	o	0	o	o	o	o	0
1	0	ı	2	3	4	5	6	7	8	9	10	П	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
٩	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
П	0	П	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144





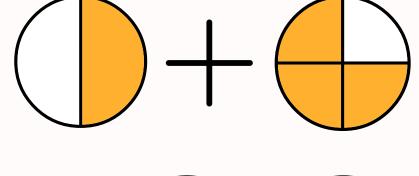
R C

# 1 WHOLE 1/2 1/2 1/4 1/4 1/4 1/4 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8 1/8

$$1/4 = 1$$
 whole divided by 4  
 $1/4 = 25\% (100 \div 4)$   
 $1/4 = 0.25$ 

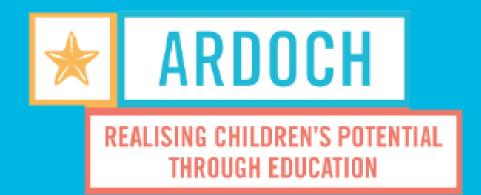


Pizzas are best cut into sixths! One slice is 1/6



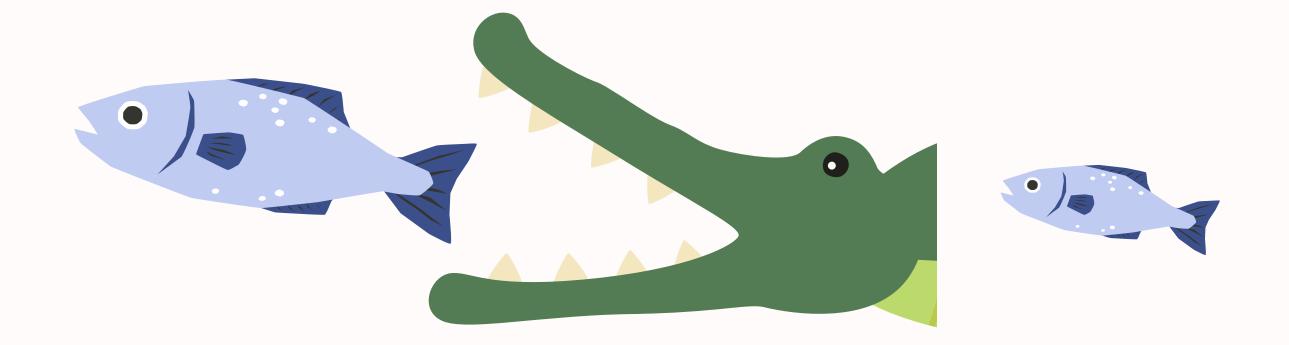
5 goes into 100 20 times! 2/5 of 100 = 2×20 2×20 = 40 2/5 = 40% 40% = 0.4

... AND EQUIVALENTS





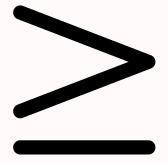
### Greater than and less than



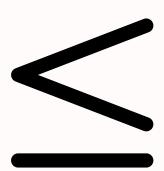
The croc will always open its mouth to the biggest fish

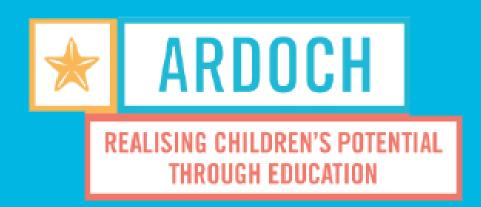
12 < 18

The mouth is open to the biggest number - 18 is greater than 12



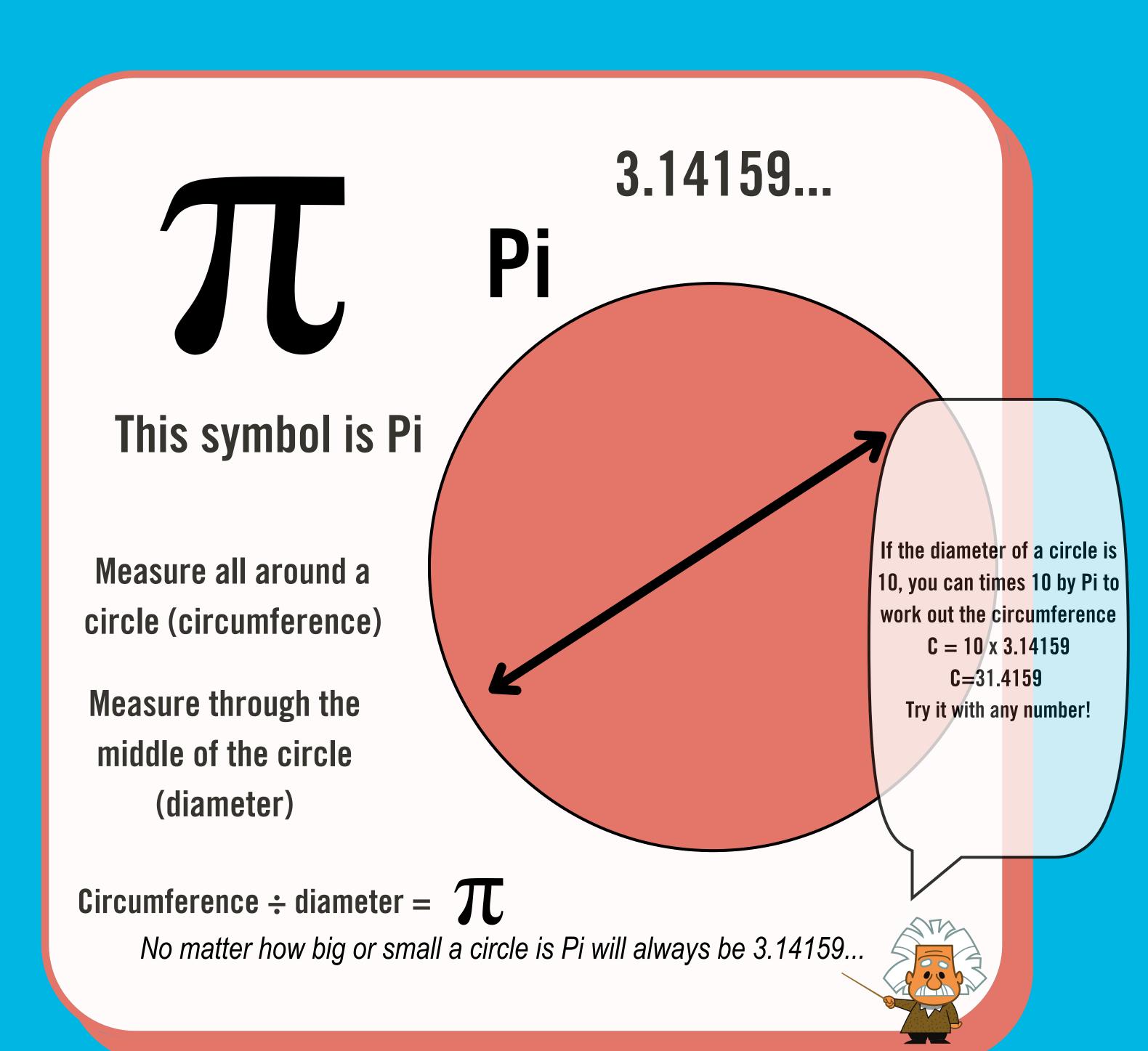
Greater than or equal to. Less than or equal to

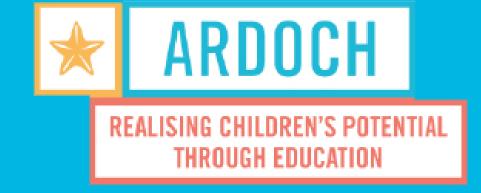


















## PERCENTAGES 6

and decimals

An item is on sale for 20% off . The price was \$80. How do you work out the sale price?

Easy!

Just multiply the price (80) by the percentage (20) and divide by 100.

$$80 \times 20 = 160$$
  
 $160 \div 100 = 16$   
 $$80 - $16 = $64$ 

'cent' is the Latin word for 'hundred' A PERCENTAGE IS A
NUMBER BROKEN UP INTO
100 PARTS

Money uses decimals to show dollars and cents like this:



\$50.55





The decimal point moves by tens.
You can work out 10% by moving the decimal point forward one spot.

10% of \$49.99

\$4.99

Move the decimal point from here

To here

in maths, every problem has a solution!

#### SQUARE - CUBE

&

R O

0 T

N U

M B E

R

A number squared is a number times itself

$$1^2 = 1 (1x1)$$

$$2^2 = 4 (2x2)$$

$$3^2 = 9 (3x3)$$

$$4^2 = 16 (4x4)$$

$$5^2 = 25 (5x5)$$

$$6^2 = 36 (6x6)$$

These are square numbers

A number cubed is a number times itself and then again

$$1^3 = 1 (1x1x1)$$

$$2^3 = 8 (2x2x2)$$

$$3^3 = 27 (3x3x3)$$

$$4^3 = 64 (4x4x4)$$

$$5^3 = 125 (5x5x5)$$

$$6^3 = 216 (6x6x6)$$

These are cubed numbers

A square root is a number multiplied by itself to make a square number, so ...

25 = 5 The square root of 25 is 5!

This is the square root sign

