

Important Mathematical Knowledge

TEN IMPORTANT TABLE FACTS

$6 \times 6 = 36$	$7 \times 7 = 49$	$9 \times 8 = 72$
$7 \times 6 = 42$	$8 \times 7 = 56$	$9 \times 9 = 81$
$8 \times 6 = 48$	$9 \times 7 = 63$	
$9 \times 6 = 54$	$8 \times 8 = 64$	

IMPORTANT FRACTIONS, DECIMALS and PERCENTAGES

PERCENT	DECIMAL	FRACTION	WORDS
1%	0.01	1/100	one hundredth
5%	0.05	1/20	one twentieth
10%	0.1	1/10	one tenth
20%	0.2	1/5	one fifth
25%	0.25	1/4	one quarter
12.50%	0.125	1/8	one eighth
50%	0.5	1/2	one half
75%	0.75	3/4	three quarters
100%	1	1/1	one whole

TYPES OF NUMBER

Squares 1, 4, 9, 16, 25, 36, 49, 64, 81

Cubes 1, 8, 27, 64, 125

Primes Any number with exactly two factors one of which is one.

Examples 2, 3, 5, 7, 11, 13, 17, 19, 23

Factors The numbers which divide exactly into a given number giving whole number answers.

Examples Factors of 24 are 1, 2, 3, 4, 6, 8, 12, 24

Multiples These are the numbers in a given times table.

Examples Multiples of 7 are 7, 14, 21, 28, 35

STATISTICS

The Median is the middle number in an ordered list.

The Mode is the result which occurs most often.

The Mean is the sum of the results divided by the number of results.