
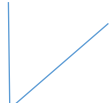

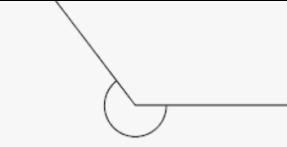
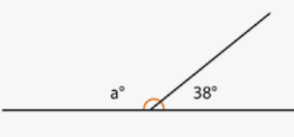
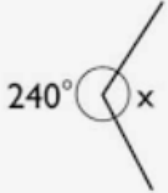
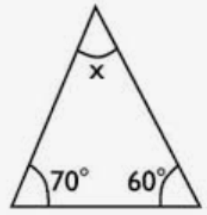
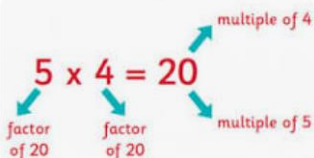


Measures			
Remember <b>kilo</b> means 1000		Remember <b>milli</b> means 1/1000	
length	10mm=1cm	100cm=1m	1000m=1km
Mass	1000g=1kg	1000kg=1tonne	
capacity	1000ml=1L		
Time	60 seconds in a minute	365 days in a year	24 hours in a day
	60 minutes in an hour		
Angles			
 Right angle = $90^\circ$	 Acute angle = less than $90^\circ$	 Obtuse angle = more than $90^\circ$ but less than $180^\circ$	 Reflex angle = more than $180^\circ$ but less than $360^\circ$
 Angles on a straight line = $180^\circ$	 Angles around a point = $360^\circ$	 Angles in a triangle = $180^\circ$	
Fractions, decimals and percentages			
Equivalence	fractions	Decimal	percentage
	$1/10$	0.1	10%
	$2/10 = 1/5$	0.2	20%
	$3/10$	0.3	30%
	$4/10 = 2/5$	0.4	40%
	$5/10 = 1/2$	0.5	50%
	$6/10 = 3/5$	0.6	60%
	$7/10$	0.7	70%
	$8/10 = 4/5$	0.8	80%
	$9/10$	0.9	90%
	$1/4$	0.25	25%
	$3/4$	0.75	75%
Square and cube numbers			
Representation	calculation	Square number	Square numbers are where a number has been multiplied by itself.
$1^2$	$1 \times 1$	1	
$2^2$	$2 \times 2$	4	
$3^2$	$3 \times 3$	9	
$4^2$	$4 \times 4$	16	
$5^2$	$5 \times 5$	25	

$6^2$	6x6	36	Square numbers have an odd number of factors
$7^2$	7x7	49	
$8^2$	8x8	64	
$9^2$	9x9	81	
$10^2$	10x10	100	
$1^3 = 1 \times 1 \times 1 = 1$	$4^3 = 4 \times 4 \times 4 = 64$	$7^3 = 7 \times 7 \times 7 = 343$	$10^3 = 10 \times 10 \times 10 = 1000$
$2^3 = 2 \times 2 \times 2 = 8$	$5^3 = 5 \times 5 \times 5 = 125$	$8^3 = 8 \times 8 \times 8 = 512$	
$3^3 = 3 \times 3 \times 3 = 27$	$6^3 = 6 \times 6 \times 6 = 216$	$9^3 = 9 \times 9 \times 9 = 729$	
<b>Factors, multiples and prime numbers</b>			
factors	A factor is a number that exactly goes into another number without any remainders	<p style="text-align: center;">12</p> <p style="text-align: center;">The factors of 12 are</p> <p style="text-align: center;">1 and 12 2 and 6 3 and 4</p> <p style="text-align: center;">Because 12 can be divided by any of these without remainders</p>	<p>Prime numbers only have 2 factors</p> <p>Square numbers have an odd number of factors</p>
Multiples	A multiple is a number that can be divided by another number with no remainders	<p>These are all multiples of 6</p> <p>6 12 18 60 600</p>	
Prime	A prime number has only 2 factors: 1 and itself	The first few prime numbers are 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31...	<p>FACT</p> <p>2 is the only even prime number</p> <p>1 is NOT a prime number (it only has one factor)</p> <p>It is a square number</p>