

Rounding

Round to the nearest 10

54 → 50
55 → 60
313 → 310
549 → 550

Round to the nearest 100

415 → 400
950 → 1,000
4,561 → 4,600
7,221 → 7,200

Round to the nearest 1,000

4,328 → 4,000
9926 → 10,000
18,792 → 19,000
21,114 → 21,000

Compare

45,000 < 54,000

10,160 > 9,999

65,000 = 65,000

MMMXXL > MMMCIX

Year Five Maths Organiser



Roman Numerals

A letter placed **after** a greater value adds:

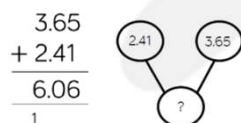
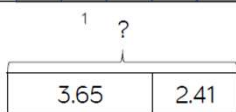
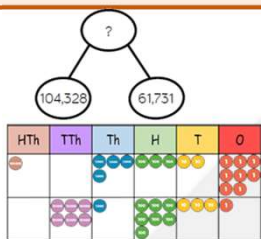
XVII = 10 + 5 + 1 + 1 = 17

A letter placed **before** a greater value subtracts:

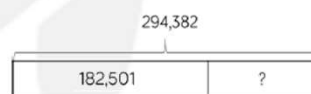
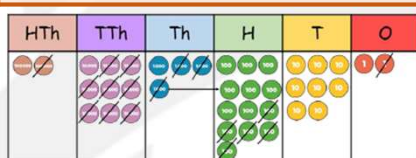
XXIX = 10 + 10 + (10 - 1) = 29

I	1	XI	11	XXX	30
II	2	XII	12	XL	40
III	3	XIII	13	L	50
IV	4	XIV	14	LX	60
V	5	XV	15	LXX	70
VI	6	XVI	16	LXXX	80
VII	7	XVII	17	XC	90
VIII	8	XVIII	18	C	100
IX	9	XIX	19	D	500
X	10	XX	20	M	1,000

Addition



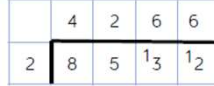
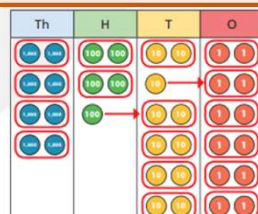
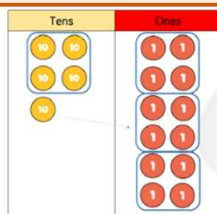
Subtraction



Multiplication



Division



square number

a number that has been multiplied by itself

positive number

a number more than 0

cube number

multiply a number by itself and then itself again

negative number

a number less than 0

prime number

A number with exactly two factors, itself and one

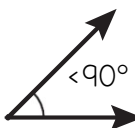
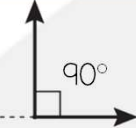
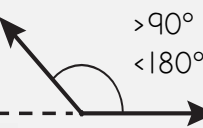
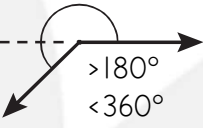
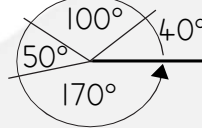
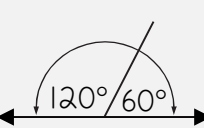
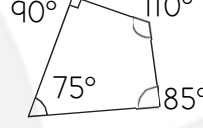
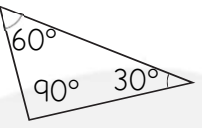
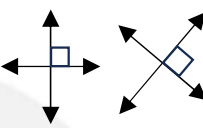
composite number

A number with more than two factors

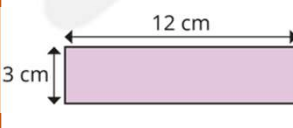
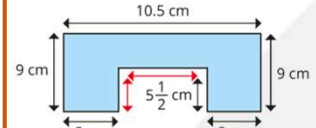
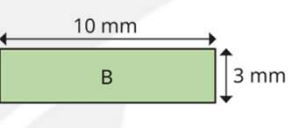
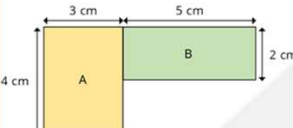
Place Value Grid

millions	hundreds of thousands	tens of thousands	thousands	hundreds	tens	ones		tenths	hundredths
1,000,000	100,000	10,000	1,000	100	10	1	●	0.1	0.01

Angles

Acute Angle	Right Angle	Obtuse Angle	Reflex Angle	Angles around a point total 360°	Angles on a straight line total 180°	Angles in a quadrilateral total 360°	Angles in a triangle total 180°	Perpendicular
								

Perimeter and Area

Perimeter (pathway around the outside)	Perimeter (rectilinear shapes)	Area (length x width)	Area (compound shapes)
			

Measurements

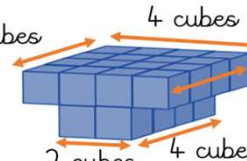
mm in a cm	10 mm = 1 cm
mm in a m	1,000 mm = 1 m
cm in a m	100 cm = 1 m
m in a km	1,000 m = 1 km
g in a kg	1,000 g = 1 kg
ml in a l	1,000 ml = 1 l

Fractions to Decimals

$\frac{1}{10} = 0.1$	$\frac{6}{10} = 0.6$	$\frac{1}{2} = 0.5$
$\frac{2}{10} = 0.2$	$\frac{7}{10} = 0.7$	$\frac{1}{4} = 0.25$
$\frac{3}{10} = 0.3$	$\frac{8}{10} = 0.8$	$\frac{3}{4} = 0.75$
$\frac{4}{10} = 0.4$	$\frac{9}{10} = 0.9$	$\frac{1}{100} = 0.01$
$\frac{5}{10} = 0.5$	$\frac{10}{10} = 1$	$\frac{23}{100} = 0.23$

Measure - Volume

4 cubes



4 cubes

2 cubes







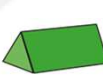
4 cubes



$4 \times 4 = 16$ cubes



$2 \times 4 = 8$ cubes

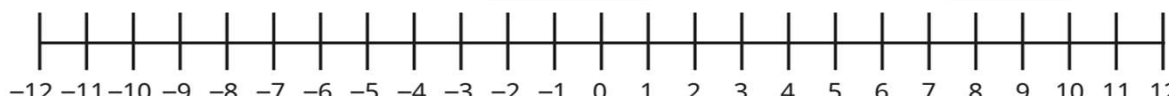
$16 + 8 = 24 \text{ cm}^3$

3D shapes

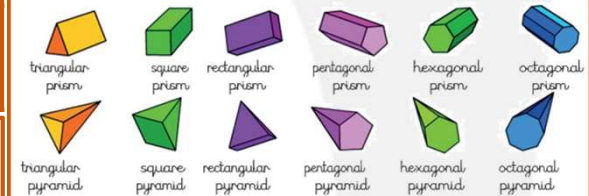
cube	cuboid	cylinder	sphere	cone	square-based pyramid	triangular prism
						

quarter turn  half turn 


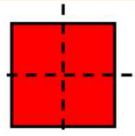
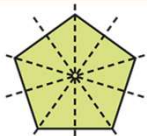
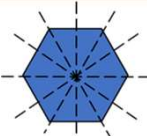
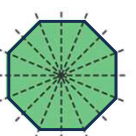
three-quarter turn  full turn 



Prisms and Pyramids



Symmetry - regular polygons

equilateral triangle	square	pentagon	hexagon	octagon
				

Symmetry - irregular polygons

rectangle	trapezium	rhombus	parallelogram	kite
