

Maths

Year Group: 5

Place Value



Count forwards and backwards in 1,000s, 10,000s and 100,000s up to 1,000,000.



Interpret negative numbers counting forwards and backwards



Round any number to the nearest 100,000 10,000, 1000, 100 and 10.

315 320 455 500

1595

Nearest 10 Nearest 100

Nearest 1000

Read Roman numerals to 1000(M)

2000

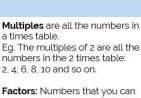
I	1	xxx	30
II	2	XL	40
III	3	L	50
IV	4	LX	60
V	5	LXX	70
VI	6	LXXX	80
VII	7	xc	90
VIII	8	С	100
IX	9	D	500
×	10	м	1,000
xx	20	MD	1,500

Number Knowledge

Know prime numbers and prime factors

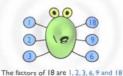


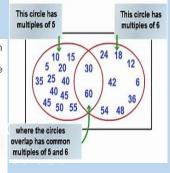
Identify multiples and be able to find all factor pairs.



divide a bigger number by e.g.

Find the factors of 18





Recognise and use squared and cubed numbers.

Square number patterns

Square numbers get their name from the pattern they make.



Area = $1 \times 1 = 1^2 = 1$ Area = $2 \times 2 = 2^2 = 4$



Area = $3 \times 3 = 3^2 = 9$



Area = $4 \times 4 = 4^2 = 16$

See if you can continue the pattern!

Calculation

Add and subtract any 1000s number from any 5-digit number.

58,391



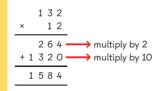
85,822

	8 ⁷	¹ 6	3 ²	¹ O
-	1	9	0	4
	6	7	2	6

Multiply numbers up to 4-digits by a 1-digit and 2-digit number using an efficient written method.

2826 22608

624



Divide numbers up to 4-digits by a 1-digit number using short division written method.

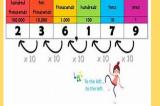
	0	7	6	2
8	6	60	49	¹ 6

Multiply and divide by 10, 100, 1000

MULTIPLICATION AND DIVISION BY 10, 100, 1000

move digits one place to left move digits two places to left move digits three places to left

move digits one place to right move digits two places to right +1000 move digits three places to right





4 cm

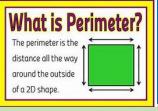
<u>Maths</u>

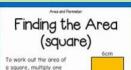
Year Group Year 5

Shape

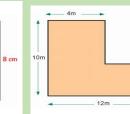
Perimeter and area

Can you find the missing lengths and calculate the perimeter and area?

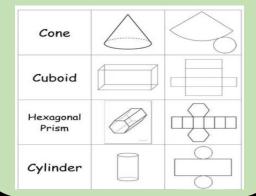




side by the adjacent side. The area of this square is



Nets



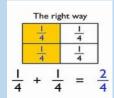
Fractions, decimals, percentages

Write equivalent fractions and order fractions

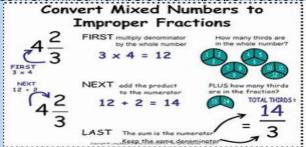


Add and subtract fractions

Multiply fractions by whole numbers



Convert mixed numbers and improper fractions

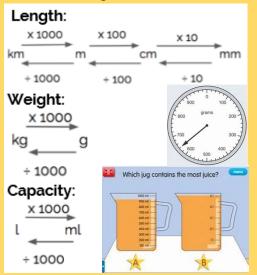


Write decimals as fractions and percentages

Percentage	Fraction	Decimal
100%	1	1
75%	3/4	0.75
66.66%	2/3	0.66
50%	1/2	0.50
33.33%	1/3	0.33
25%	1/4	0.25
20%	1/5	0.20
12.5%	1/8	0.125
10%	1/10	0.10
5%	1/20	0.05
2.5%	1/40	0.025

Measure

Converting measurements



Angles

Acute - Less than 90°

Straight Line - 180°

Obtuse - Greater than 90° and

less than 180°

Reflex - Greater than 180°, but

less than 360°

Full Rotation - 360°

Angles in a quadrilateral -

360°

Angles in a triangle - 180° Angles around a point - 360°

