

Maths

Year Group: 4

Place Value

Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones
	4	2	3	6	5

Find 1000 more or less.

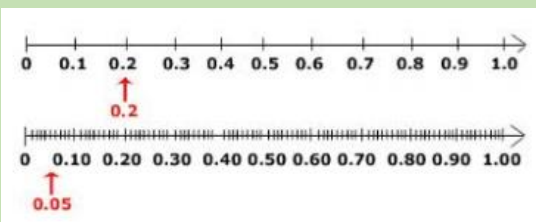
Counting in 500s to 10 000 Number Line



Counting backwards through zero including negative numbers.



Counting up and down in hundredths



Read Roman numerals to 1000(M)

I	1	XXX	30
II	2	XL	40
III	3	L	50
IV	4	XL	60
V	5	LXX	70
VI	6	LXXX	80
VII	7	XC	90
VIII	8	C	100
IX	9	D	500
X	10	M	1,000
XX	20	MD	1,500

Number Knowledge

Know all of your times tables by the end of Year 4.

Multiplication Square

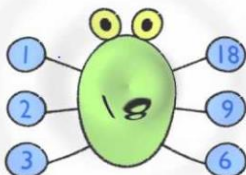
x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Numeracy Words

Add	Subtract	Multiply	Divide
together addition sum	difference subtraction take away	multiplied by groups of times	divisible by goes into
increase plus total	minus decrease reduce	multiple lots of product	share division group divide by
+	-	×	÷

Identify factor pairs.

Find the factors of 18



The factors of 18 are 1, 2, 3, 6, 9 and 18

Calculation

Add and subtract 4-digit numbers.

5	2	0	9
+	3	1	9
	8	4	0
		1	1

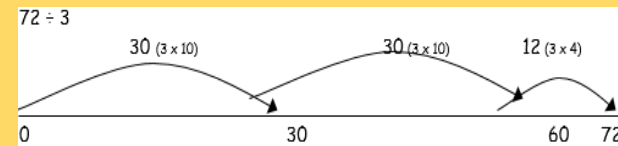
9 ⁸	12	6 ⁵	10
-	6	7	0
	2	5	5
		8	

Multiply numbers up to 3-digits by a 1-digit number

x	1	0	3		
4	4	0	1	2	= 5 2

883
x 9
7947

Divide mentally



1	4
3	42
10	1
10	1
10	1

Exchanging a 10 for ten 1

Maths

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Shape

Perimeter and area

What is Perimeter?

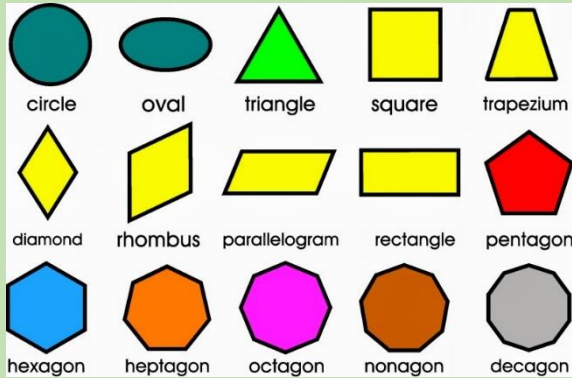
The perimeter is the distance all the way around the outside of a 2D shape.

Finding the Area (square)

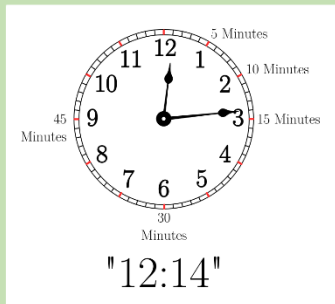
To work out the area of a square, multiply one side by the adjacent side.

The area of this square is $6\text{cm} \times 6\text{cm} = 36\text{cm}^2$

2D shape

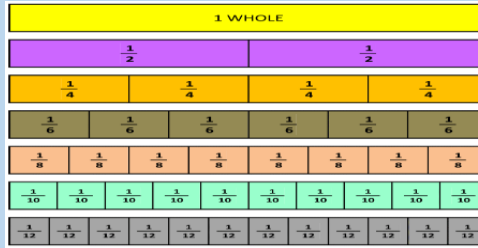


Time



Fractions and decimals

Recognise equivalent fractions



Add and subtract fractions with the same denominator

The right way

$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{4}$	$\frac{1}{4}$

$$\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$$

Fraction and decimals

Fractions	Decimals	Diagram
1/10	0.1	
2/10	0.2	
3/10	0.3	
4/10	0.4	
5/10	0.5	

Measure

Converting measurements - money

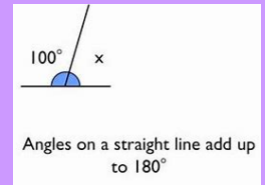
Pounds and Pence

	1p	2p	5p	10p	20p	50p
Pence						
Pounds	£1	£2	£5	£10	£20	£50

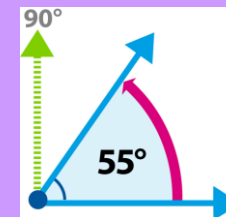
Angles

Acute - Less than 90°
 Straight Line - 180°
 Obtuse - Greater than 90° and less than 180°

Angles on a straight line



Acute



Obtuse

Obtuse angle
 An obtuse angle is an angle between 90° and 180°