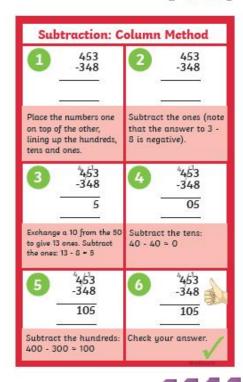
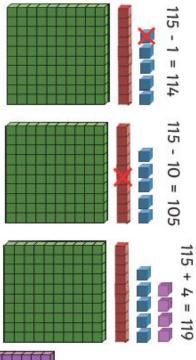
#### Year 3 Number and Place Value This is a one (O) greater than less than equal to Counting in multiples of 4 This is a ten (T) 345>102 102<345 102=102 This is a hundred (H) written form numerical (standard) form one hundred twenty 20 100 three thirty 30 two hundred 200 Counting in multiples of 8 hundred and 375 40 three hundred 300 forty seventy-five 32 50 four hundred 400 fifty five hundred 500 sixty 60 48 64 56 six hundred 70 600 seventy expanded form model form seven hundred 700 88 96 eighty 80 90 eight hundred 800 ninety Counting in multiples of 50 nine hundred 900 300 + 70 + 5one thousand 1000 100 150 200 247 495 350 400 300 500 550 600 twinkl visit twinkl.com 200 400

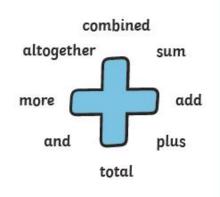
### Year 3 Addition and Subtraction

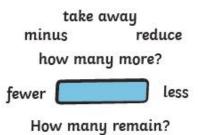


115 + 40 = 155

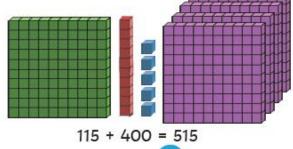
Addition: Col	umn Method
453 +348	2 453 +348 1
Place the numbers one on top of the other, lining up the hundreds, tens and ones.	Add the ones and write the answer.
3 453 +348 1	453 +348 01 11
Regroup any tens under the tens column.	Add the tens including any tens you have regrouped. Regroup an hundreds under the hundreds column.
5 453 +348 801 11	6 453 +348 801
Add the hundreds including any hundreds you have regrouped.	Check your answer



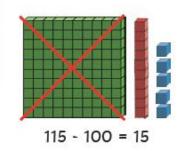


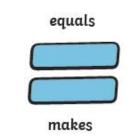


subtract



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difference

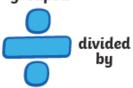
## Year 3 Multiplication and Division

product multiply array



groups of sets of lots of

equally grouped



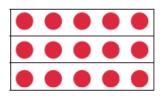
by

half

halves

shared by equally shared Repeated Addition

Array



$$5 \times 3 = 15$$

**Equal Groups** 



 $8 \div 8 = 1$ 

 $16 \div 8 = 2$ 

 $24 \div 8 = 3$ 

 $32 \div 8 = 4$ 

 $40 \div 8 = 5$ 

 $48 \div 8 = 6$ 

×	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

 $3 \times 1 = 3$  $3 \div 3 = 1$ 

$$3 \times 2 = 6$$
  $6 \div 3 = 2$   
 $3 \times 3 = 9$   $9 \div 3 = 3$   
 $3 \times 4 = 12$   $12 \div 3 = 4$   
 $3 \times 5 = 15$   $15 \div 3 = 5$ 

$$3 \times 6 = 18$$
  $18 \div 3 = 6$   $3 \times 7 = 21$   $21 \div 3 = 7$ 

$$3 \times 8 = 24$$
  $24 \div 3 = 8$   $3 \times 9 = 27$   $27 \div 3 = 9$ 

$$3 \times 10 = 30$$
  
 $3 \times 11 = 33$ 

 $4 \times 1 = 4$ 

 $4 \times 2 = 8$ 

$$4 \times 4 = 16$$
  
 $4 \times 5 = 20$ 

$$4 \times 6 = 24$$

$$4 \times 8 = 32$$
  
 $4 \times 9 = 36$ 

 $20 \div 4 = 5$ 

 $24 \div 4 = 6$ 

 $28 \div 4 = 7$ 

 $32 \div 4 = 8$ 

 $36 \div 4 = 9$ 

 $40 \div 4 = 10$ 

 $44 \div 4 = 11$ 

48 ÷ 4 = 12

$$8 \times 4 = 32$$
  
 $8 \times 5 = 40$ 

 $8 \times 1 = 8$ 

 $8 \times 2 = 16$ 

 $8 \times 3 = 24$ 

$$8 \times 7 = 56$$
  $56 \div 8 = 7$ 

$$8 \times 8 = 64$$
  $64 \div 8 = 8$   
 $8 \times 9 = 72$   $72 \div 8 = 9$ 

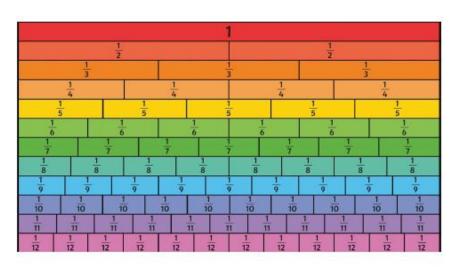
$$8 \times 9 = 72$$
  $72 \div 8 = 9$   
 $8 \times 10 = 80$   $80 \div 8 = 10$ 

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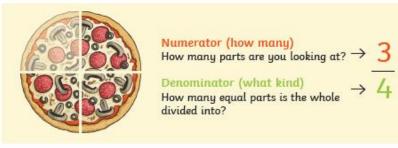
 $30 \div 3 = 10$ 

 $33 \div 3 = 11$ 

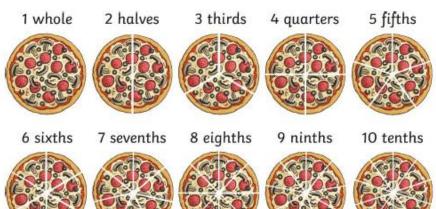
## **Year 3 Fractions**

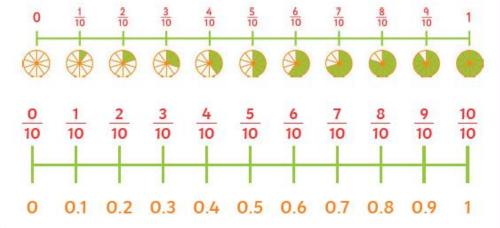


#### Numerators and Denominators





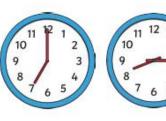


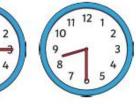




# 60 seconds = 1 minute VIII

## Year 3 Measurement







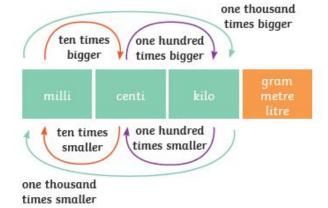
Roman Numerals

o'clock

quarter past

half past

quarter to



January = 31 days

February = 28 days (29 on a leap year)

March = 31 days

April = 30 days

May = 31 days

June = 30 days

July = 31 days

August = 31 days

September = 30 days

October = 31 days

November = 30 days

December = 31 days



100 ml

100 millilitres

2p

11

1 litre









50p



£1









£10

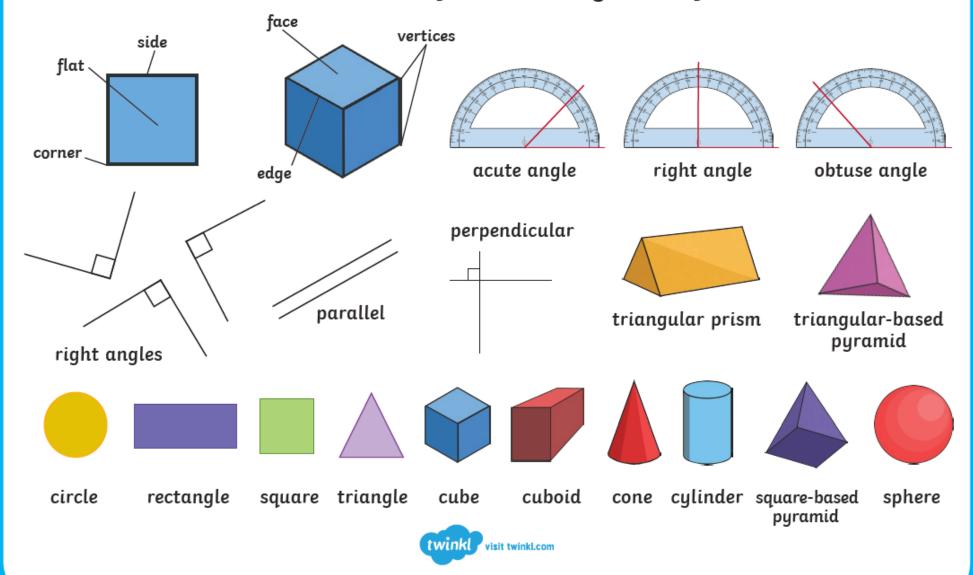
Perimeter





£20

## Year 3 Properties of Shape



#### **Year 3 Statistics Word Mat**

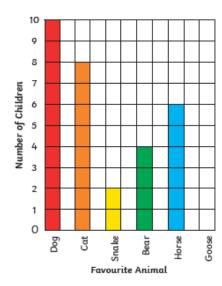
#### **Bar Chart**

A bar chart is used to clearly display results and information.

Types of items are shown on the x-axis, which is horizontal.

The number of items are shown on the y-axis, which is vertical.

One block represents one item. It is quicker to compare results using a block diagram than a table or tally chart.



#### Caroll Diagram

A Carroll diagram is a table used for sorting objects based on whether they do or do not meet two given criteria.

Carroll diagrams were invented by Lewis Carroll, the author of 'Alice in Wonderand'.

	Red	Not Red
Quadrilateral		
Not a Quadrilateral		

#### Table

A table is used to record information and collect results.

The information can then be used to make pictograms or block diagrams to display results clearly.

A table needs to have headings to show what you are measuring or recording.

Favourite Animal	Number of Children
Dog	10
Cat	8
Snake	2
Bear	4
Horse	6
Goose	0

