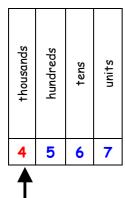
# Year 4 **PROMPT** sheet

#### Count in multiples

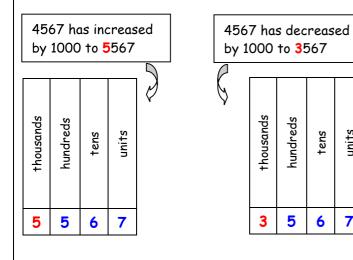
Now you must learn these multiples

Multiples of 6	Multiples of 7	Multiples of 9	Multiples of 25	
6	7	9	25	
12	14	18	50	
18	21	27	75	
24	28	36	100	
30	35	45	125	
36	42	54	150	
42	49	63	175	
48	56	72	200	
54	63	81	225	
60	70	90	250	

#### Find 1000 more or less



To increase or decrease by 1000 this is the digit that changes.



units

7

tens

6

# Round to nearest 10, 100, 1000,

Example 1- Round 4279 to the nearest 1000

- Step 1 Find the 'round-off digit' 4  $\circ$
- Step 2 Look one digit to the right of 4 2 0

5 or more? NO - leave 'round off digit' unchanged - Replace following digits with zeros

ANSWER - 4000

Example 2- Round 4279 to the nearest 10

- Step 1 Find the 'round-off digit' 7 0
- Step 2 Look one digit to the right of 7 9 0

5 or more? YES - Add one to the 'round off digit' - Replace following digits with zeros

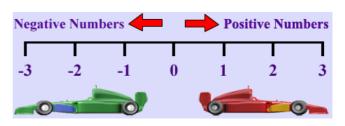
ANSWER - **4280** 

## Negative numbers

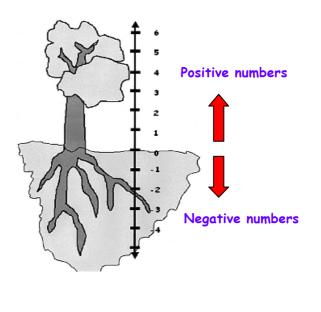
Negative numbers are numbers BELOW ZERO

#### Think of a number line

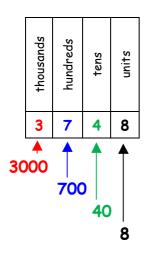
#### Horizontal number line



Vertical number line







#### Roman Numerals to 100

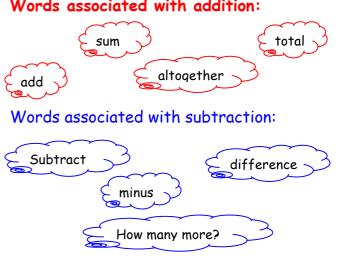
The numbers 1-100 are constructed from these:

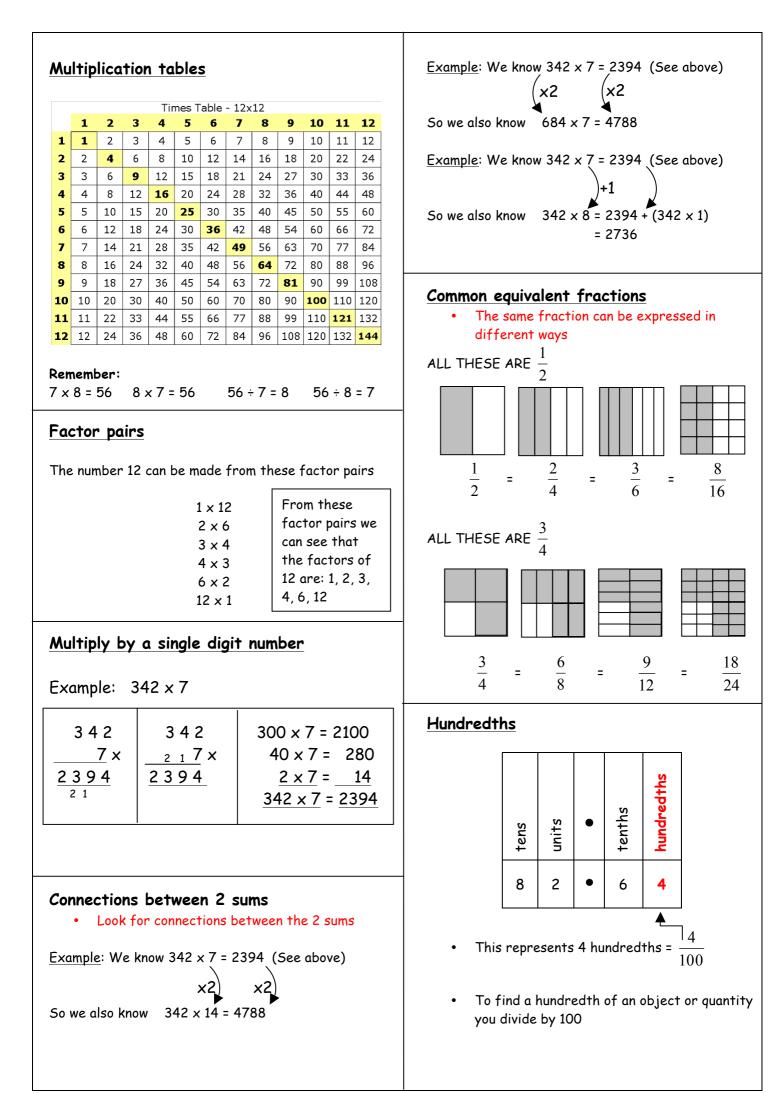
I = 1
V = 5
X = 10
L = 50
C = 100

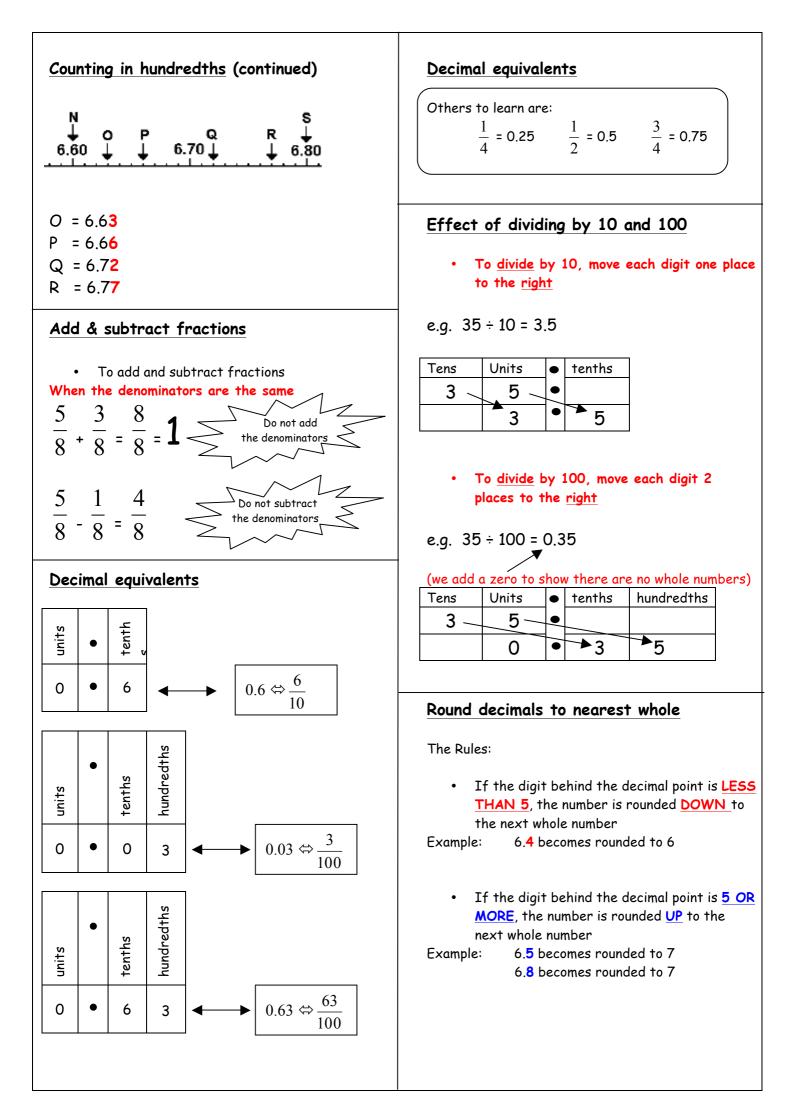
I	1	XXVI	26	LI	51	LXXVI	76
II	2	XXVII	27	LII	52	LXXVII	77
III	3	XXVIII	28	LIII	53	LXXVIII	78
IV	4	XXIX	29	LIV	54	LXXIX	79
٧	5	XXX	30	LV	55	LXXX	80
VI	6	XXXI	31	LVI	56	LXXXI	81
VII	7	XXXII	32	LVII	57	LXXXII	82
VIII	8	XXXIII	33	LVIII	58	LXXXIII	83
IX	9	XXXIV	34	LIX	59	LXXXIV	84
х	10	XXXV	35	LX	60	LXXXV	85
XI	11	XXXVI	36	LXI	61	LXXXVI	86
XII	12	XXXVII	37	LXII	62	LXXXVII	87
XIII	13	XXXVIII	38	LXIII	63	LXXXVIII	88
XIV	14	XXXIX	39	LXIV	64	LXXXIX	89
XV	15	XL	40	LXV	65	хс	90
XVI	16	XLI	41	LXVI	66	XCI	91
XVII	17	XLII	42	LXVII	67	XCII	92
XVIII	18	XLIII	43	LXVIII	68	XCIII	93
XIX	19	XLIV	44	LXIX	69	XCIV	94
XX	20	XLV	45	LXX	70	xcv	95
XXI	21	XLVI	46	LXXI	71	XCVI	96
XXII	22	XLVII	47	LXXII	72	XCVII	97
XXIII	23	XLVIII	48	LXXIII	73	XCVIII	98
XXIV	24	XLIX	49	LXXIV	74	XCIX	99
XXV	25	L	50	LXXV	75	с	100

# Add & subtract

<ul> <li>Line up digits from right t</li> <li>Example 1: Add 4735 and 386</li> <li>4 7 3 5</li> <li>3 8 6 +</li> <li>5 1 2 1</li> <li>1 1 1</li> </ul>	<b>to left</b> 4 7 3 5 <u>131816</u> + <u>5 1 2 1</u>
Example 2: Subtract 637 from 2 & <sup>1 1</sup> 4 \7 <sup>6 1</sup> 6 <u>6 3 7</u> - <u>1 8 3 9</u>	$ \begin{array}{r} 2476 \\ 2^{1}4 & 7^{-1}6 \\ \underline{1} & 6 & 3\underline{1} & 7 \\ \underline{1} & 8 & 3 & 9 \end{array} $
<ul> <li>Estimate a calculation         <ul> <li>Round off each number calculation is easy to define the set of the</li></ul></li></ul>	0
<u>Example 2</u> : 503.926 + 709.32 To make it easy use: 500 + 700 = 1200	28
<u>Example 3</u> : Half of 51.43289 To make it easy use: Half of 50 = 25	963
<u>Example 3</u> : 806 - 209 To make it easy use: 800 - 200 = 600	
Addition & subtraction prob (Based upon 4/6) Words associated with addir	

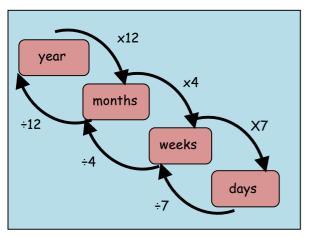


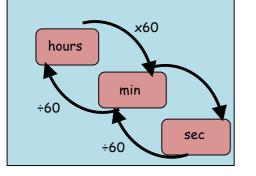




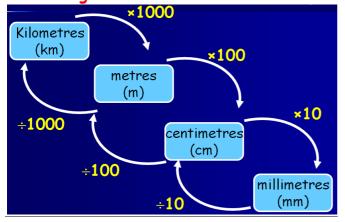
# Convert between units of measure

• Time

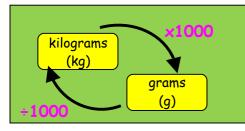




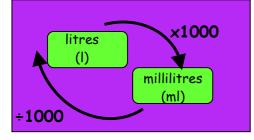
Length



• Mass or weight

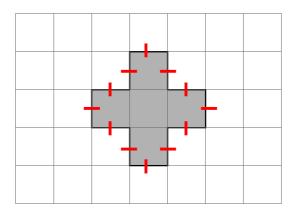


Capacity or volume



Perimeter & area by counting

• **Perimeter** is round the **OUTSIDE** Perimeter of this shape = 12cm



• Area is the number of squares INSIDE Area of this shape =  $5 \text{ cm}^2$ 

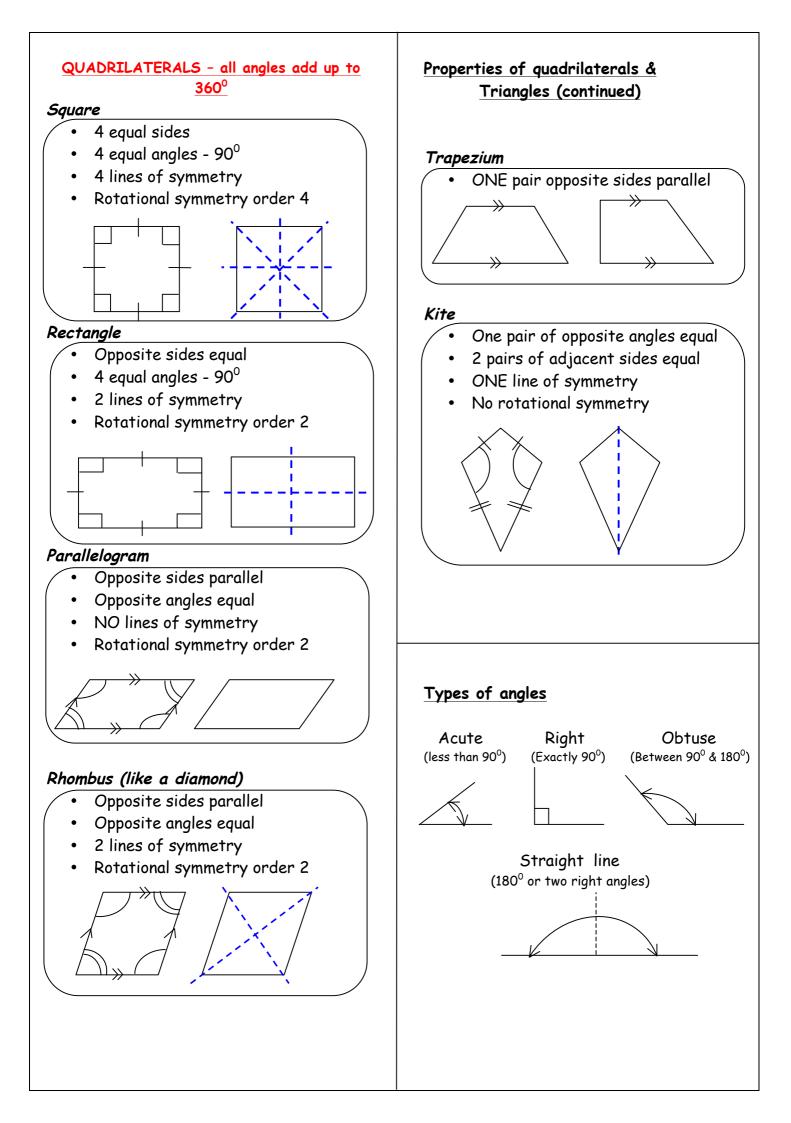
		1		
	2	3	4	
		5		

# Estimate measures

Capacity

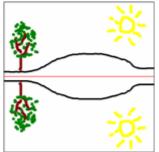


#### 12- and 24-hour clock Estimate measures - continued Mass this apple weighs 125g this bag of sugar weighs 1kg MORNING in 24-Hour Clock 0100 0800 00'00 0200 0300 0400 0500 0600 07'00 09'00 1000 1100 12:00am 1:00am 2:00am 3:00am 4:00am 5:00am 6:00am 7:00am 8:00am 9:00am 10:00am 11:00am (midnight) MORNING in 12-Hour Clock AFTERNOON in 24-Hour Clock 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 1200 12:00pm | 1:00pm | 2:00pm | 3:00pm | 4:00pm | 5:00pm | 6:00pm | 7:00pm | 8:00pm | 9:00pm | 10:00pm | 11:00pm (midday) AFTERNOON in 12-Hour Clock this man weighs 70kg Properties of quadrilaterals & triangles Length TRIANGLES – angles add up to 180° Isosceles triangle 2 equal sides this pencil is 17cm long 2 equal angles 1 line of symmetry No rotational symmetry • length of classroom is 10m Equilateral triangle M 5 The South West 3 equal sides Weston-s-Mare 10 3 equal angles - 60° Taunton 32 • 64 Exeter 3 lines of symmetry • distance to Exeter is 64miles Rotational symmetry order 3 •

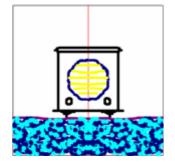


# Identify lines of symmetry

• Horizontal line of symmetry



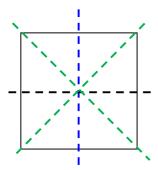
Vertical line of symmetry



• Oblique line of symmetry

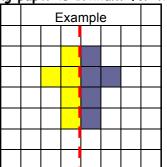


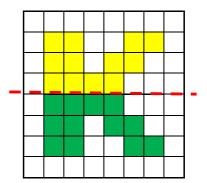
 Horizontal, Vertical & Oblique lines of symmetry

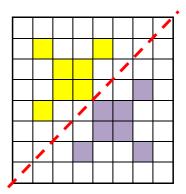


## Complete a symmetrical figure

#### • Tracing paper is brilliant for this

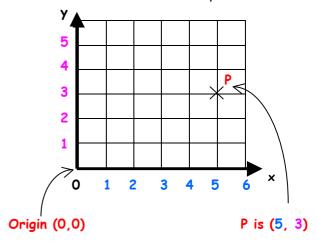




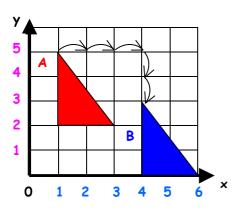


# Describe position of points

- The horizontal axis is the x-axis
- The vertical axis is called the y-axis
- The origin is where the axes meet
- A point is described by two numbers The 1<sup>st</sup> number is off the x-axis The 2<sup>nd</sup> number is off the y-axis



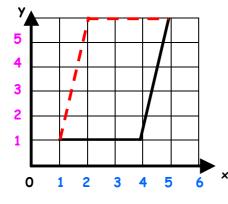
#### Describe movement of shapes



Shape A has been moved 3 squares right and 2 down. This movement is called TRANSLATION

#### Complete a 2D shape

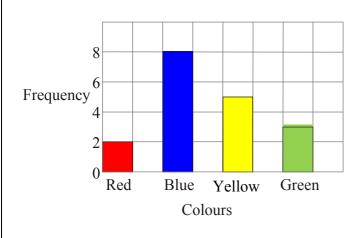
Example: Draw on lines to complete parallelogram



## Present discrete & continuous data

Graph to show favourite colours in Class 4

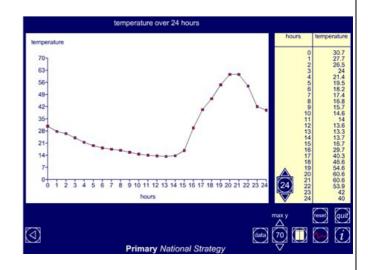
**Discrete data** is counted e.g. cars, students, animals



# Present discrete & continuous data

**Continuous data** is measured e.g. heights, times, temperature

#### Graph to show a patient's temperature over 24h



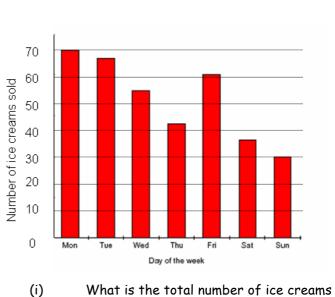
# Compare data in graphs

'Sum' or 'total' means 'add up'

'Difference' or 'how many more' means 'subtract'

Bar chart to show Number of Ice Creams sold in a

week



sold over the weekend?

Answer: 37 + 30 = 67

(ii) How many more were sold on Friday than Saturday?

Answer: 61 - 37 = 24

