Reach for the Sky

Supporting our children to aim high!

St Mary's CE School Maths Support Resources

Parents often ask us, how can I help my child in maths? Firstly, we provide parents with the expectations for each year to enable them to appreciate the standard required by the end of a school year. The next step is to share with parents, what this really looks like in practice. 'Reach for the Sky' is our initiative to support parents by providing them with information about how to do the calculations required in each class. Each year group is provided with information about what this looks like with visual reminders if you are not sure. These are available on our school website and handed out to all families at the beginning of the year.

We are always happy to discuss this with you; the resources hopefully provide a starting point to supporting your child.

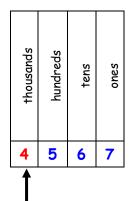
Stage 4 PROMPT sheet

1 <u>Count in multiples</u>

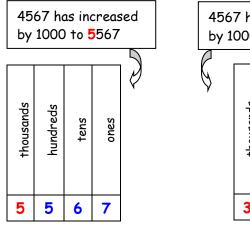
Now you must learn these multiples

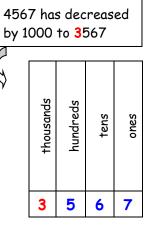
Multiples of 6	Multiples of 7	Multiples of 9	Multiples of 25	
6	7	9	25	
12	14	18	50	
18	21	27	75	
24	28	36	100	
30	35	45	125	
36	42	54	150	
42	49	63	175	
48	56	72	200	
54	63	81	225	
60	70	90	250	

2 Find 1000 more or less



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





2 <u>Round to nearest 10, 100, 1000,</u>

Example 1- Round 4279 to the nearest 1000

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

<u>5 or more</u>? 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
- Step 2 Look one digit to the right of 7 9

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

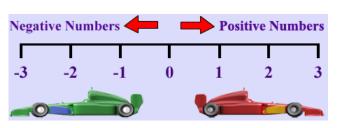
ANSWER - 4280

3 Negative numbers

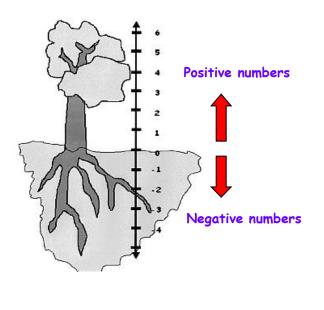
Negative numbers are numbers BELOW ZERO

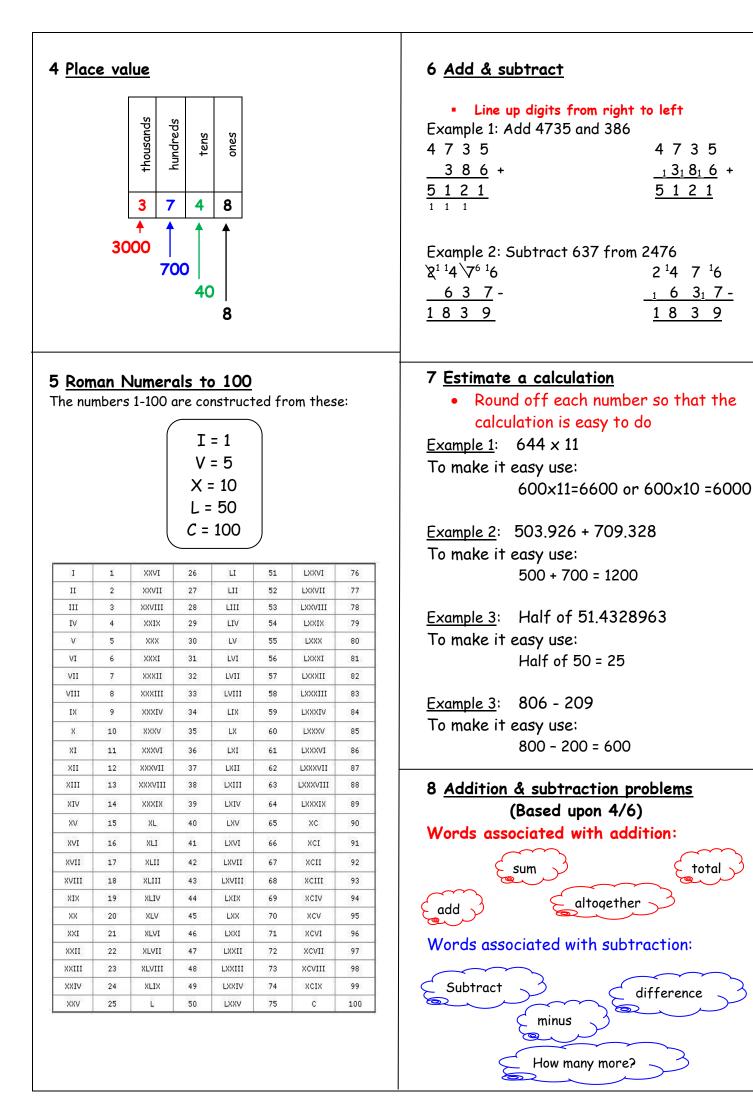
Think of a number line

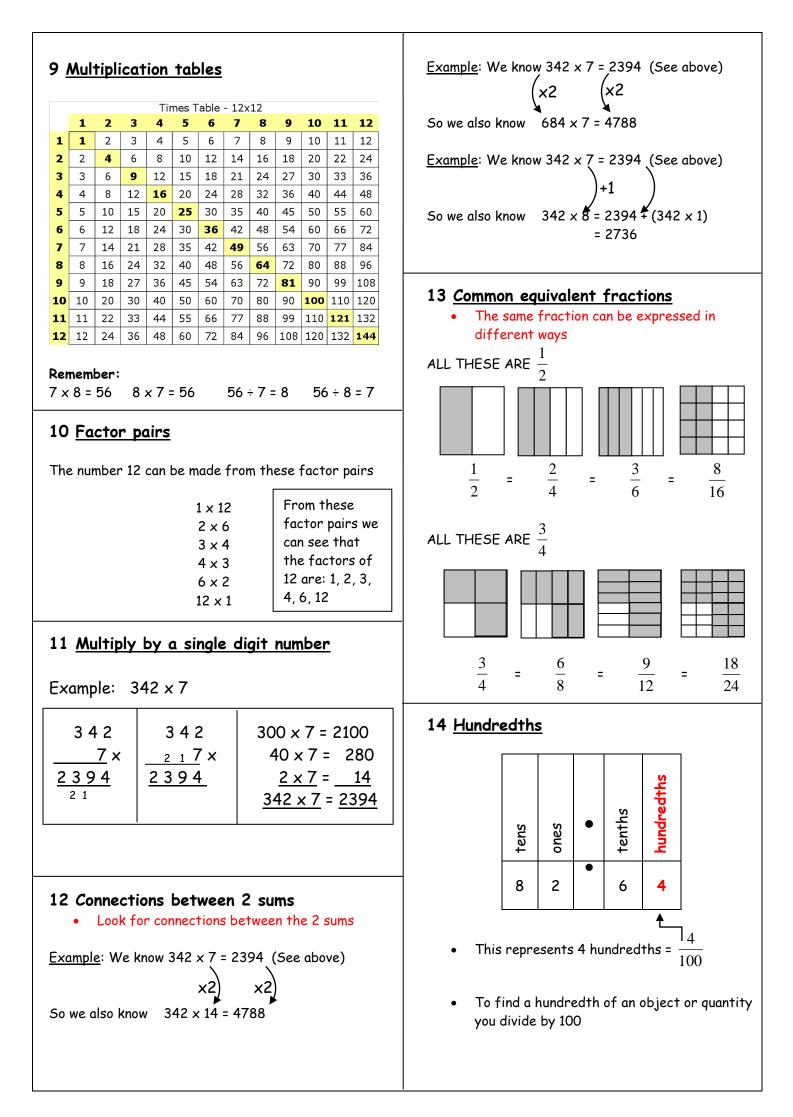
Horizontal number line

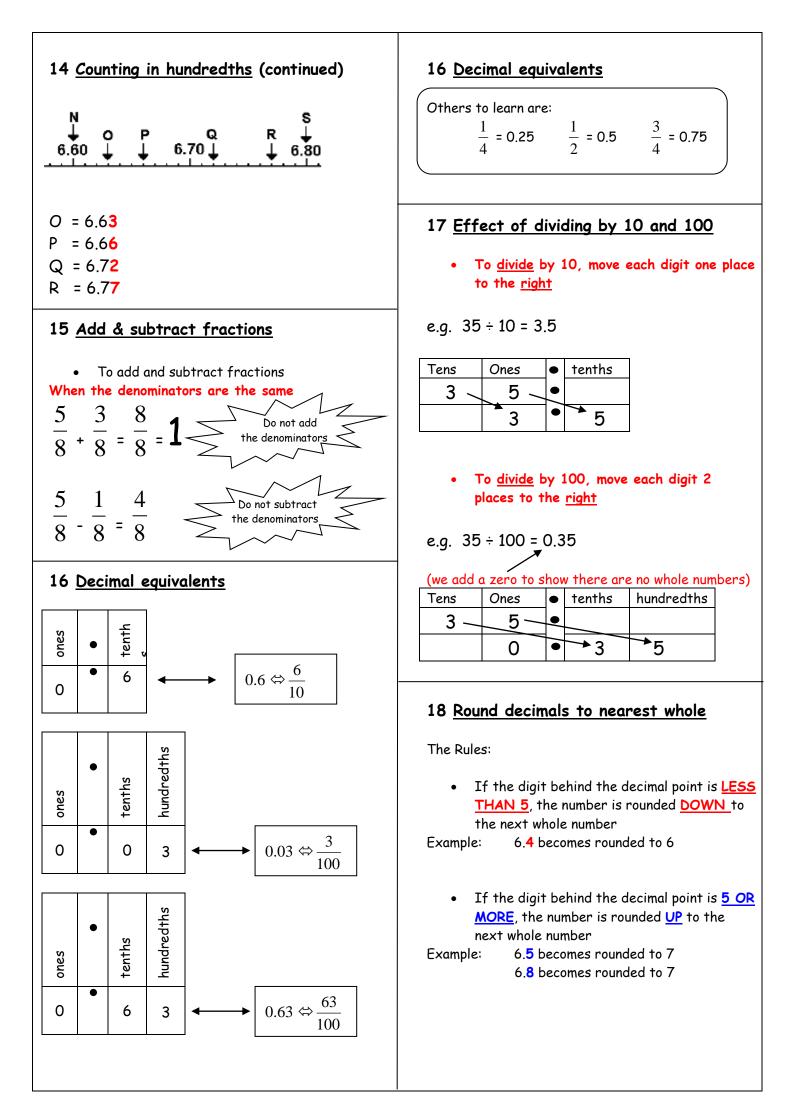


Vertical number line

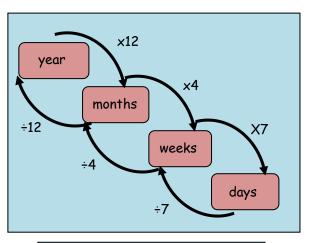


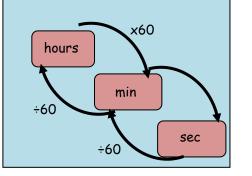




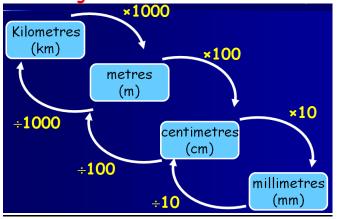


19 <u>Convert between units of measure</u>Time

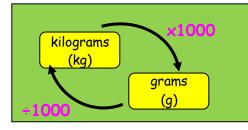




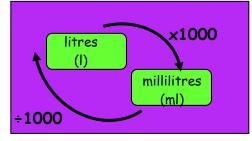
• Length



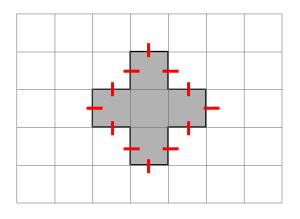
• Mass or weight



Capacity or volume



20 <u>Perimeter & area by counting</u>
Perimeter is round the OUTSIDE
Perimeter of this shape = 12cm

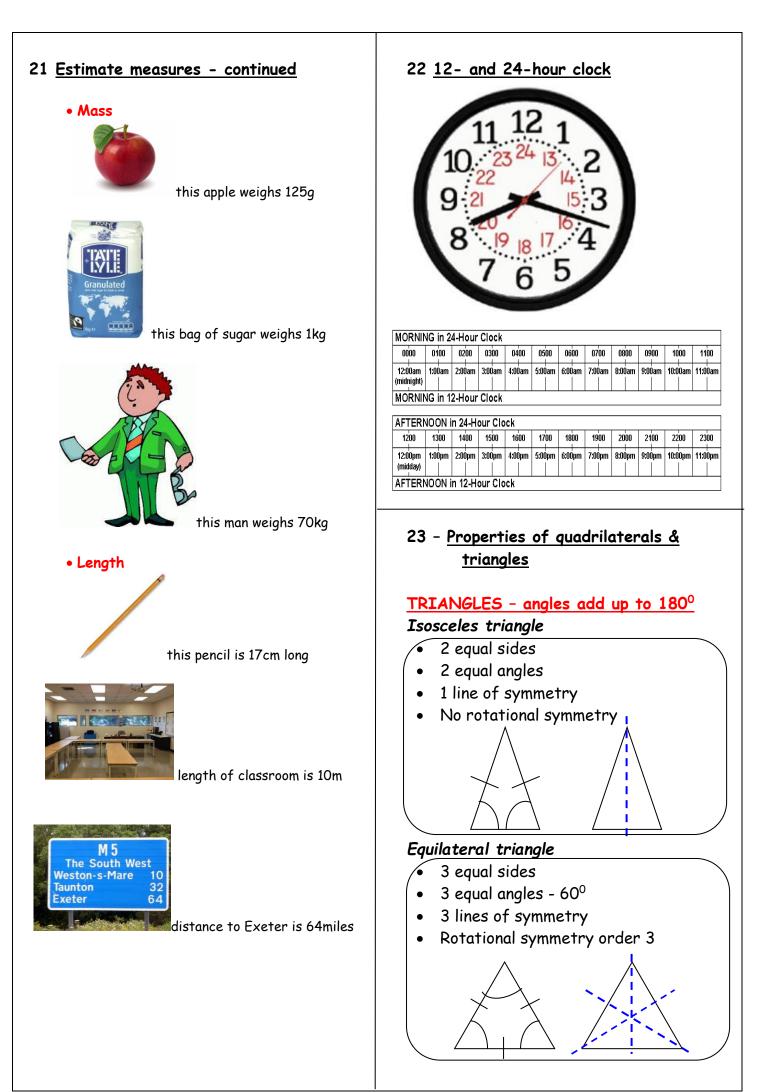


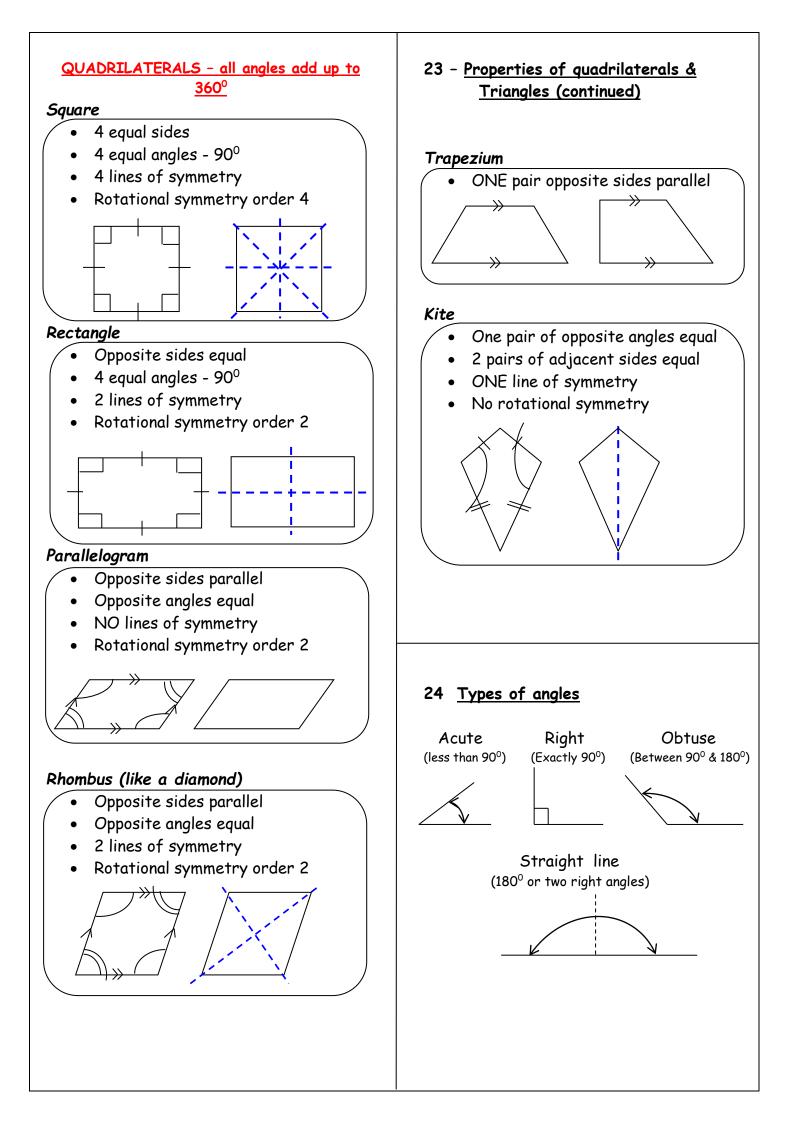
• Area is the number of squares INSIDE Area of this shape = 5 cm^2

		1		
	2	3	4	
		5		

- 21 <u>Estimate measures</u>
 - Capacity

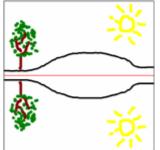




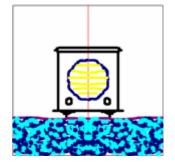


25 Identify lines of symmetry

• Horizontal line of symmetry



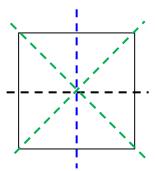
• Vertical line of symmetry



• Oblique line of symmetry

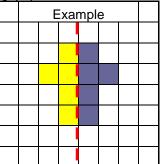


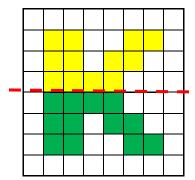
 Horizontal, Vertical & Oblique lines of symmetry

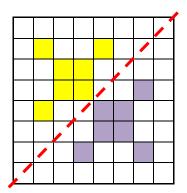


26 <u>Complete a symmetrical figure</u>

• Tracing paper is brilliant for this

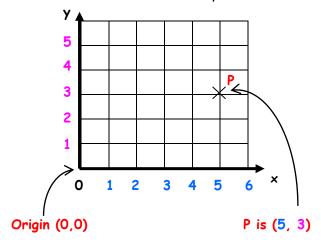




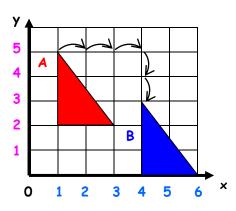


27 Describe position of points

- 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 1st number is off the x-axis The 2nd number is off the y-axis



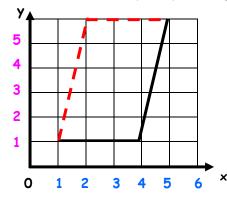
27 <u>Describe movement of shapes</u>



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

28 <u>Complete a 2D shape</u>

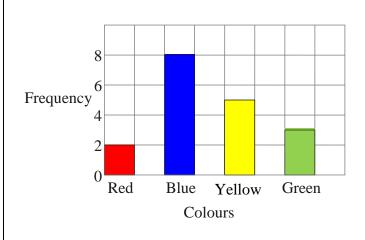
Example: Draw on lines to complete parallelogram



29 Present discrete & continuous data

Graph to show favourite colours in Class 4

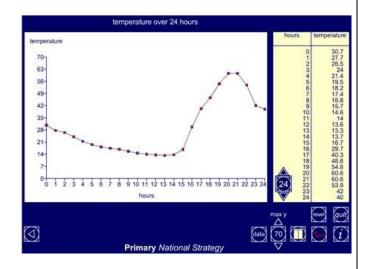
Discrete data is counted e.g. cars, students, animals



29 <u>Present discrete & continuous data</u>

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

Graph to show a patient's temperature over 24h



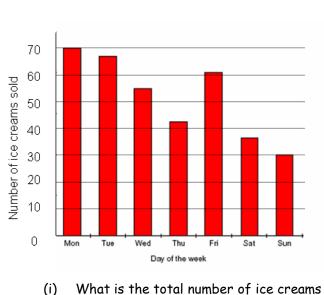
30 Compare data in graphs

'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

