



Poplars Curriculum Overview- Term 2 (2023-24)

Topic - Antarctica

Poplars main topic this term is primarily through a geographical focus, however we will be looking at elements of the history of its discovery in English. We will investigate the most isolated continent, noting its features and more importantly discovering its varied history as a continent and as we approach Christmas - we will be debating the future of the least populated and still the most mysterious continent.



Maths - This term Year 5 will be looking initially at the properties of shape and the nets of cubes and cuboids before moving on to investigate the 4 main operations - addition, subtraction, multiplication, and subtraction. Year 6 will be looking at glorious fractions, not for the first time, as they re-familiarise themselves with decimal equivalence before moving on to BIDMAS (or BODMAS if you prefer) and as we move towards Christmas we will be looking at angles and their qualities.

English - We will be getting cold in English - as we are predictably looking at Scott and Shackleton in English, primarily looking at diary writing and replicating our own examples in a few weeks. We will then be looking at narrative writing based around the Christmas class book 'The Snowman' by Raymond Briggs. Once a week, we will also be looking at Grammar, looking at verb tenses, prefixes and suffixes and parenthesis.

DT - Mrs Nicholson will be looking at electrical circuit games from design to build.

Science - We will be building on our work from last term - concerning the changes of state where we will be looking at irreversible changes as a focus. We will also be looking at the properties of materials including hardness, transparency and classification based on quality as we understand the primary uses of materials.

Computing - We will be looking at what makes a good website as well as what makes a bad one! We will also be looking at internet safety too as we begin to look at the practicalities and dangers of going online.

Music - We will be preparing some songs for the Christmas 'Hopes and Homes' concert at Marlborough College. More details will follow on this shortly. As part of



our English, we will also be looking at battle music and how emotions can be affected by effective music use.

French – Mrs Ramsden will be exploring the weather, which might be brighter than the actual weather this wet and stormy term.

PE – As last term, PE days are now Monday and Wednesday. This term we will be looking at Yoga, Handball and Dance!

RE – Poplars (utilising content from Understanding Christianity) will be studying Jesus and the concept of a messiah. We will be looking at its key importance to Christian communities.

PHSE – Poplars this term will be looking at valuing differences, stereotypes and the value of tolerance in PHSE. Also during UK Parliament week, we will be applying those qualities to our own mock parliament as we make and pass laws as they do in Westminster – only more sensibly. We will also be starting the 'My Happy Mind' programme.

Homework:

Children are required to read for 20 mins at least 4 times a week and engage in 'Rockstars TT' for 20 mins at least 4 times every week.

Please remember, if you have any worries or concerns about your child, please contact me via the @letters email address.

ALSO: Reading records are regularly checked and signed throughout the week and children may have opportunities during the week when they will be reading their own book. Therefore, we will be continuing to ask all children to bring in their reading records and their books everyday – we want to continue to encourage reading at home and at school regularly and reward children accordingly.

Please continue to work on practising words from the statutory word lists (reading and spelling).

Children will be given a term project partway through the term to enable additional learning in support of our topic and an English skill; this is optional and is provided for those children that want to extend their learning at home.

Please remember, if you have any worries or concerns about your child, please contact the me via the @letters email address.

Many thanks

Mr Ashbee-Dobbins



Multiplying and dividing by 10, 100 and 1000

M	HTh	TTh	Th	100s	10s	1s	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
				1	3	6	0	0	
				1	3	6	0	0	
				2	4	4	7		
				2	4	4	7		
				0	2	2	4		
									7

Each digit is ten times greater

Each digit is ten times smaller

136 x 10
move digits 1 column left
136 x 1000
move digits 3 columns left

24.7 + 10
move digits 1 column right
24.7 + 100
move digits 2 columns right

Year 5 Term 2

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

A prime number has exactly 2 factors: 2, 3, 5, 7, 11, 13, 17, 19...

A composite number has more than 2 factors: 4, 6, 8, 9, 10, 12...

If I know... then I also know... because...

Factors of 15 = {1, 3, 5, 15}
Factors of 21 = {1, 3, 7, 21}
1 and 3 are common factors of 15 and 21

Multiples of 3 are 3, 6, 9, 12
Multiples of 4 are 4, 8, 12, 16
12 is a common multiple of 3 and 4

A square number is the result of multiplying a number by itself.

A cube number is the result of multiplying a whole number by itself, then by itself again.

$1^2 = 1 \times 1 = 1$
 $2^2 = 2 \times 2 = 4$
 $3^2 = 3 \times 3 = 9$

$1^3 = 1 \times 1 \times 1 = 1$
 $2^3 = 2 \times 2 \times 2 = 8$
 $3^3 = 3 \times 3 \times 3 = 27$

63,452 + 14,999

Round then adjust

63,452 + 20,000 = 83,452
83,452 - 5,000 = 78,452

2,452 - 0.999

Round then adjust

2,452 + 1 = 2,453
2,453 - 1,000 = 1,453

40,007 - 39,995

Find the difference between two numbers

Count on 5 from 39,995 to 40,000, then 7 more to 40,007. Difference is 12.

40,007 - 39,995

Count on 5 from 39,995 to 40,000, then 7 more to 40,007. Difference is 12.

25,648 + 42,524

Written methods

$$\begin{array}{r} 25,648 \\ + 42,524 \\ \hline 68,172 \end{array}$$

45,748 - 26,374

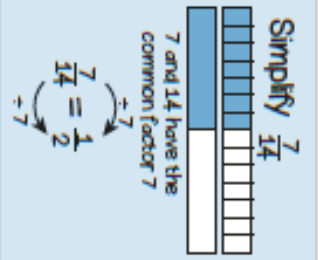
Written methods

$$\begin{array}{r} 45,748 \\ - 26,374 \\ \hline 19,374 \end{array}$$



Simplify $\frac{7}{14}$

7 and 14 have the common factor 7

$$\frac{7}{14} = \frac{1}{2}$$


Compare

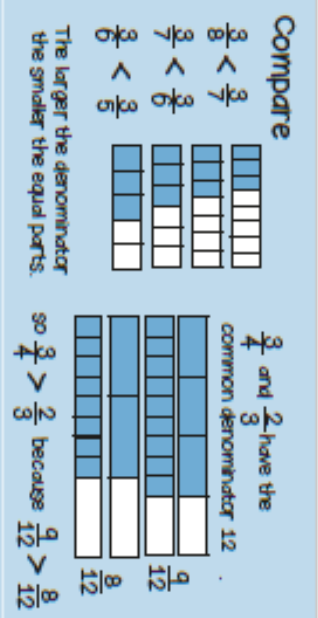
$\frac{3}{8} < \frac{3}{7}$

$\frac{3}{7} < \frac{3}{5}$

The larger the denominator the smaller the equal parts.

$\frac{3}{4}$ and $\frac{2}{3}$ have the common denominator 12

so $\frac{3}{4} > \frac{2}{3}$ because $\frac{9}{12} > \frac{8}{12}$



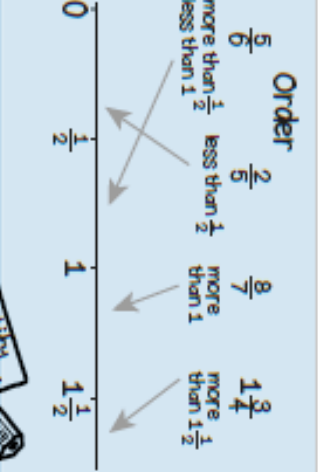
Order

$\frac{5}{6}$ more than $\frac{1}{2}$ less than 1

$\frac{2}{3}$ less than $\frac{1}{2}$ more than 1

$\frac{8}{7}$ more than 1

$1\frac{1}{2}$ more than $1\frac{1}{2}$



$0.75 = \frac{3}{4}$

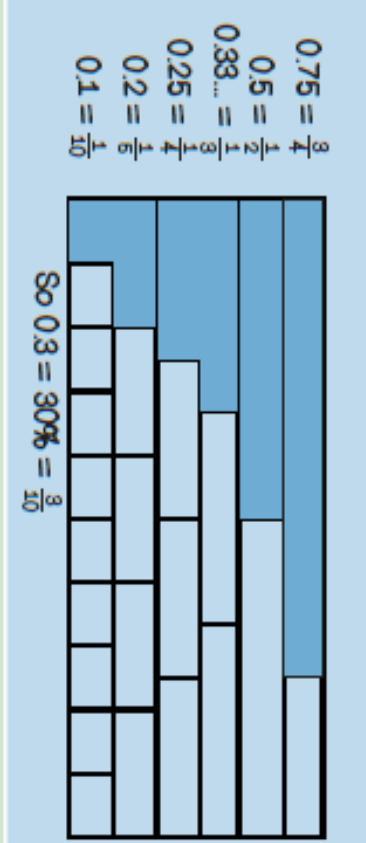
$0.5 = \frac{1}{2}$

$0.33... = \frac{1}{3}$

$0.25 = \frac{1}{4}$

$0.2 = \frac{1}{5}$

$0.1 = \frac{1}{10}$



So $0.3 = 30\% = \frac{3}{10}$

75%

50%

$33.33...%$

25%

20%

10%

$\frac{1}{5} = 0.2$ so

$\frac{2}{5} = 0.125$

$\frac{1}{4} = 0.25 = \frac{2}{8}$ so

$\frac{1}{8} = 0.125$

simplified equivalent proper improper percent



Can Do Maths

The sum of the angles in a triangle is 180°

The sum of the angles in a quadrilateral is 360°

The sum of the angles at a point on a straight line is 180°

The sum of the angles at a point is 360°

Vertically opposite angles are equal

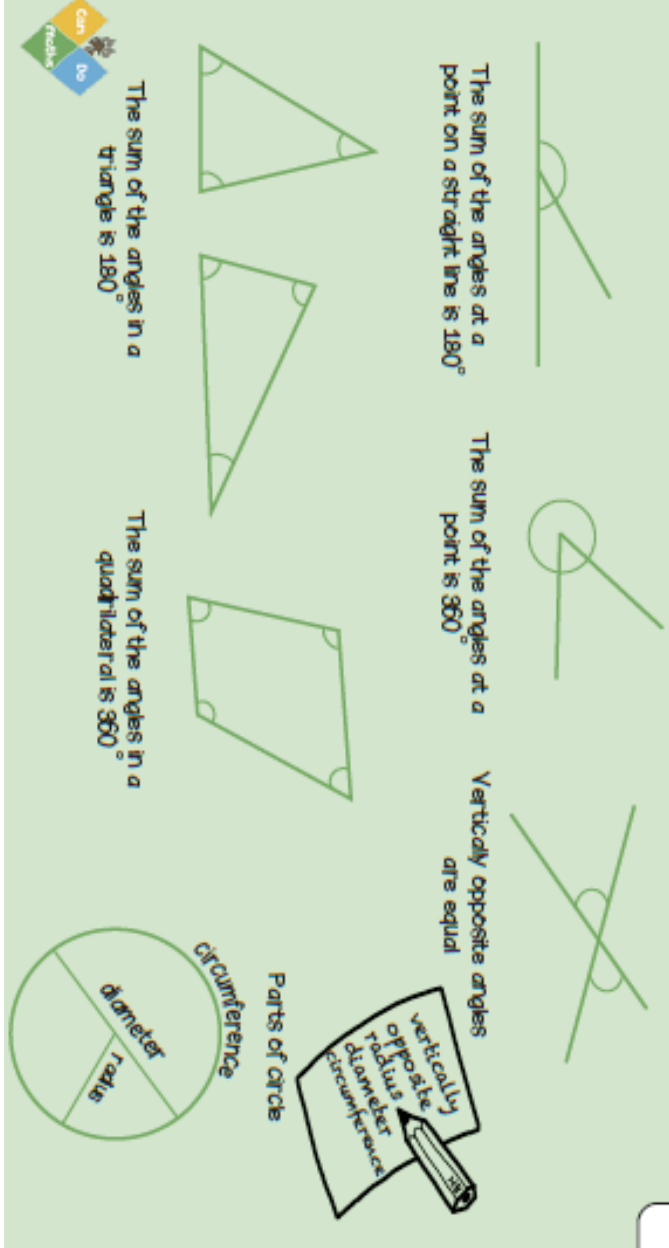
Parts of circle

circumference

diameter

radius

vertically opposite radius diameter circumference



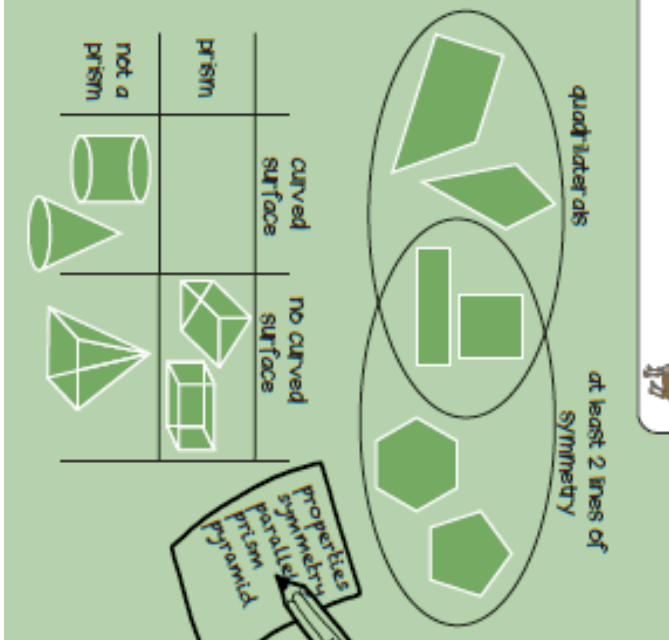
Year 6 Term 2

quadrilaterals

at least 2 lines of symmetry

prism	curved surface	no curved surface
not a prism		

properties: parallel, pyramid



Order of Operations

$6 - 2 + 4 = 8$ Only addition and subtraction: complete the calculation from left to right

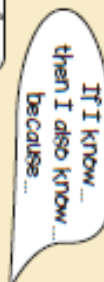
$6 \div 2 \times 4 = 12$ Only multiplication and division: complete the calculation from left to right

$6 + 4 \times 2 = 14$ Complete multiplication before addition or subtraction

$(6 + 4) \times 2 = 20$ Complete the calculations in brackets first

$6^2 + 4 \div 2 = 20$ Calculate indices before other operations

If I know ... then I also know ... because ...





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