

Decimals		Tenths and Hundredths										Knowledge Organiser					
Key Vocabulary												Fraction and Decimal Equivalents					
tenths		0	1	2	3	4	5	6	7	8	9	10		=	$\frac{1}{2}$	=	0.5
hundredths		0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1		=	$\frac{1}{4}$	=	0.25
decimal tenths		0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1		=	$\frac{3}{4}$	=	0.75
decimal hundredths		0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.1		=	$\frac{1}{10}$	=	0.1
decimal equivalents																	
part-whole model																	
rounding																	
decimal point																	
place value																	

Tenth and Hundredth Decimal Equivalents																										
													$\frac{1}{10} = \frac{10}{100} = 0.1$	$\frac{2}{10} = \frac{20}{100} = 0.2$	$\frac{3}{10} = \frac{30}{100} = 0.3$	$\frac{4}{10} = \frac{40}{100} = 0.4$	$\frac{5}{10} = \frac{50}{100} = 0.5$	$\frac{1}{100} = 0.01$	$\frac{2}{100} = 0.02$	$\frac{6}{10} = \frac{60}{100} = 0.6$	$\frac{7}{10} = \frac{70}{100} = 0.7$	$\frac{8}{10} = \frac{80}{100} = 0.8$	$\frac{9}{10} = \frac{90}{100} = 0.9$	$\frac{10}{10} = \frac{100}{100} = 1$	$\frac{23}{100} = 0.23$	$\frac{68}{100} = 0.68$

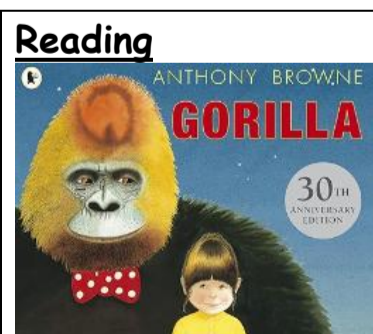
Pre-teach poster
Year 4
Summer 1



Decimals		Knowledge Organiser			
Dividing by 10		Tenths and Hundredths			
				If the tenths digit is 1, 2, 3 or 4, we round down to the nearest whole number.	
Dividing by 100		Make a Whole		Comparing Numbers with Two Decimal Places	
Partitioning Tenths and Hundredths		Comparing and Ordering Decimals			
Comparing and Ordering Decimals		ascending order			

Area, Length and Perimeter		Knowledge Organiser	
Keywords	Area	Measuring Area	
area	Area is the amount of space inside a 2D shape.	We can count squares to find the area of a rectilinear shape.	
perimeter			
centimetres		Area = 6 squares	
metres		Area = 4 squares	
squares			
distance			
millimetres		Comparing Area	
kilometres		These rectilinear shapes all have an area of 6 squares.	
length		Rectilinear Figures	
width	A rectilinear figure is a 2D shape whose sides all meet at right angles (90°).		
rectilinear			
right angle			

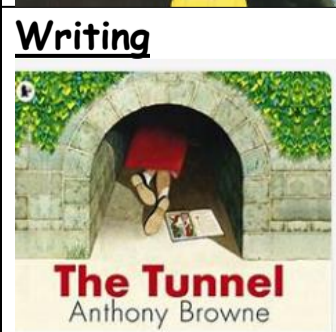
Area, Length and Perimeter		Knowledge Organiser	
Keywords	Perimeter	Perimeter of Rectilinear Shapes	Perimeter of Polygons
area	Perimeter is the total distance around the outside of a 2D shape.	The missing side is 10cm because $10 + 4 = 14$.	perimeter of regular polygons = number of sides \times length of one side
perimeter			
centimetres		Perimeter = $9 + 14 + 6 + 10 + 3 + 4 = 46$ cm.	$5 \times 4 = 20$ cm
metres			3×8 cm = 24cm
squares			$6 \times 6 = 36$ cm
distance			
millimetres	Length		
kilometres	Measure in kilometres and metres.		
length	1 km = 1000 metres		
width	1 metre = 100 centimetres		
rectilinear	1 centimetre = 10 millimetres		
right angle			



Vocabulary

Gorillas, Hannah, father, work, busy, weekend, tired, birthday, tingling, parcel, amazing, frightened, zoo, wondered, afraid, crept, hat, coat, perfect, primates, thrilled, orangutan, chimpanzee, beautiful, cinema, wonderful, sleepily, danced, lawn, happy,

What is inference?



Vocabulary

Portal, fought, adventure, courage, brave, determination, dim, shadowy, murky, gloomy, dreary, unfamiliar, vanished, abandoned, hopeless, desperate, transforms, shifts

How to write a suspense story.

