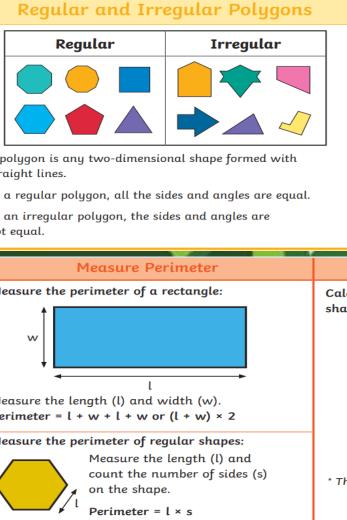
## Maths, Year 5, Summer 1



What	t I will know by the end of the Spring 2 term	Regular
Arithmetic I	I can use a grid for long division with up to 3 digit by I digit whole numbers (including fractional remainders). I can use my knowledge of inverse and multiplication tables to solve division problems (all tables).	A polygon is any two-dimensional sh
Geometry	I can draw a convex polygon. I can draw and mark the exterior angles for a convex polygon. I can show the sum of the exterior angles of a polygon is 360°.	straight lines. In a regular polygon, all the sides and In an irregular polygon, the sides and not equal.
Data & Measure	I can estimate the area of a shape in cm <sup>2</sup> I can calculate the perimeter and area of a compound shape. I can use ratio to convert metric units of measure as well as between metric and imperial units of measure.	Measure Perimet Measure the perimeter of a rectang
Arithmetic 2	I can evaluate terms in an expression with brackets. I can evaluate products in an expression with brackets.	
Reasoning	I can carryout investigations (NCETM Master Assessment).	Measure the length (l) and width ( Perimeter = l + w + l + w or (l + w
Additional Coverage	I can mentally calculate areas of rectangles. I can recite the prime numbers up to 19. I can round numbers to the nearest 10, 100, 1000, 10000 and 100000.	Measure the perimeter of regular s Measure the length count the number on the shape. Perimeter = l × s

## <u>Useful Links</u>

https://www.mymaths.co.uk/ https://play.ttrockstars.com/auth/school/student/64764 https://www.bbc.co.uk/teach/supermovers/ks2-maths-collection/z7frpg8 https://home.oxfordowl.co.uk/maths/primary-multiplication-division/help-withtimes-tables/

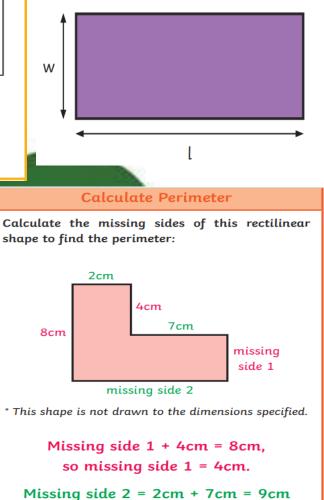


Measure the perimeter of irregular shapes:

I	l	

Measure the length of each side and add them together.

The area of a rectangle = length (l)  $\times$ width (w).



Perimeter = sum of all sides = 2cm + 4cm + 7cm + 4cm + 9cm + 8cm = 34cm

Rounding				076	.71				
Rounding to the nearest 1	0	926 471				900 000			
20 21 22 23	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones		20 000 6000	
round down	round up	9	2	6	4	7	1	926 471	
Rounding to the nearest 1	000	nine hundred and twenty-six thousand, four hundred and seventy-one 400					400		
2000 ৰ	<u>- 2499</u> 2500 <u>- 3000</u>								70
round down	· · · · · ·								
Rounding to the nearest 1		0	0 50		500 000	1 000 000			
	249 999 250 000 → 300 000	10	0 00 2	200 000	300 000	400 (	000	600 000 700 000	800 000 900 000
round down	round up		+	<u> </u>					
Useful Vocabulary: Related Calculations									
Concave	Having an outline or surface that c	curves inwar	ds like	the int	erior of	a			
	circle of sphere.							8 × 9 = 72	9 × 8 = 72
Convex	Having an outline or surface curved	1 like the ex	xterior a	of a cir	cle or :	sphere.			
								80 × 9 = 720	90 × 8 = 720
Polygon	A flat, two-dimensional (2D) shape	with straig	ht sides	s that c	ire fulli	ન			
Estimate	closed. An approximate calculation or judgement of the value, number, quantity or					72 ÷ 9 = 8	72 ÷ 8 = 9		
	extent of something.	ement of th	ie value	2, numb	er, quu	itily of		720 ÷ 9 = 80	720 ÷ 8 = 90
Perimeter	The continuous line forming the bou	undary of a	ı closed	geome	tric figu	ire.			
							P	Prime Numbers	
Compound shape	A compound (or composite) shape is	, any shape	that is	made	up of t	wo or			
-	more geometric shapes.		1	1 1				1 2 3 4 5	6 7 8 9 10
Expression	A Maths Story with a minimum of mathematical operation.	two numbe	irs and	at leas	t one		- (	11 12 13 14 15	16 17 18 19 20
	mathematicat operation.								