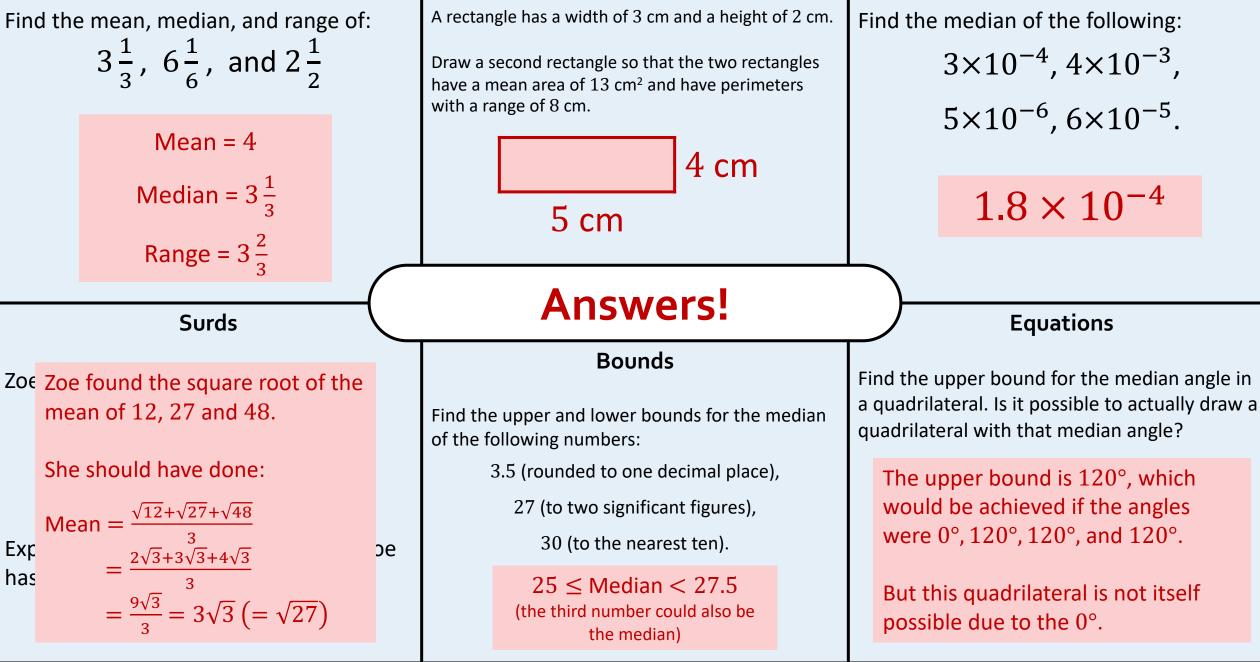
Fractions	Area and Perimeter	Standard Form	
Find the mean, median, and range of: $3\frac{1}{3}$, $6\frac{1}{6}$, and $2\frac{1}{2}$	A rectangle has a width of 3 cm and a height of 2 cm. Draw a second rectangle so that the two rectangles have a mean area of 13 cm ² and have perimeters with a range of 8 cm.	Find the median of the following: 3×10^{-4} , 4×10^{-3} , 5×10^{-6} , 6×10^{-5} .	
Surds	Averages with	Equations	
Zoe says: <i>'The mean of</i> $\sqrt{12}$, $\sqrt{27}$, <i>and</i> $\sqrt{48}$ <i>is</i> $\sqrt{29}$.'	Bounds Find the upper and lower bounds for the median of the following numbers: 3.5 (rounded to one decimal place),	Find the upper bound for the median angle in a quadrilateral. Is it possible to actually draw a quadrilateral with that median angle?	
Explain and correct the mistake that Zoe has made.	27 (to two significant figures), 30 (to the nearest ten).		



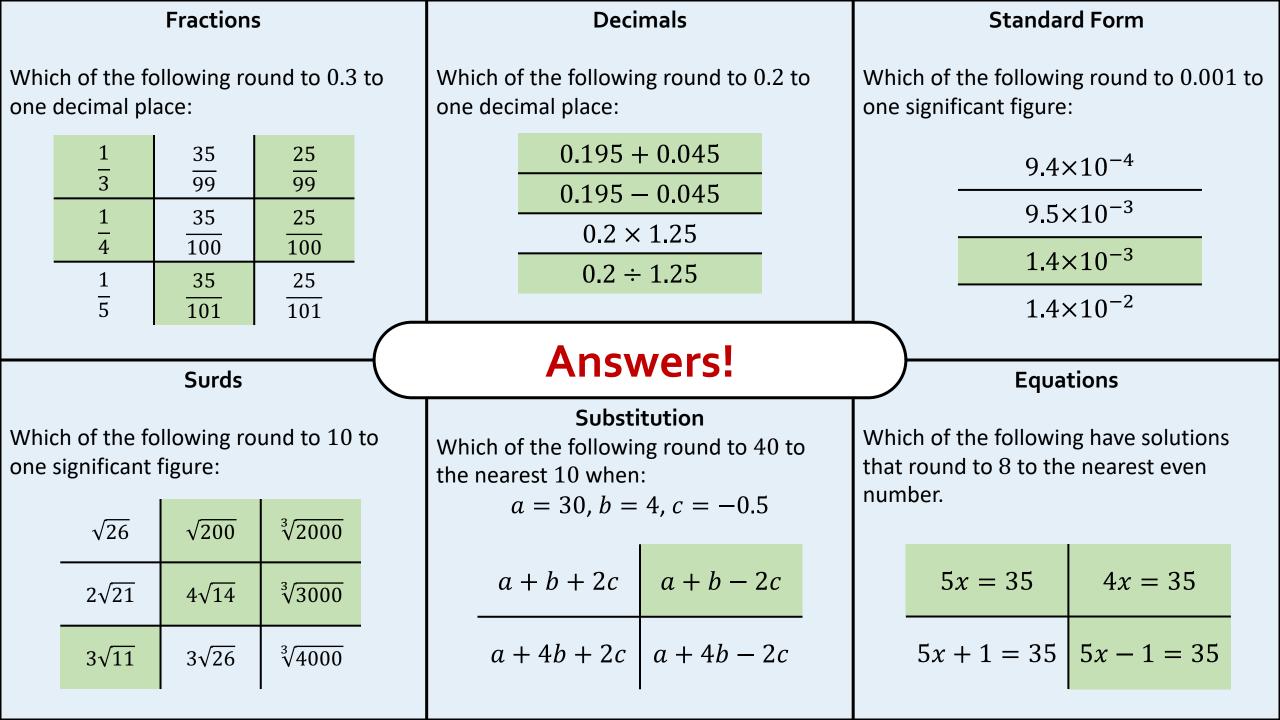
Find the mean, median, and range of:

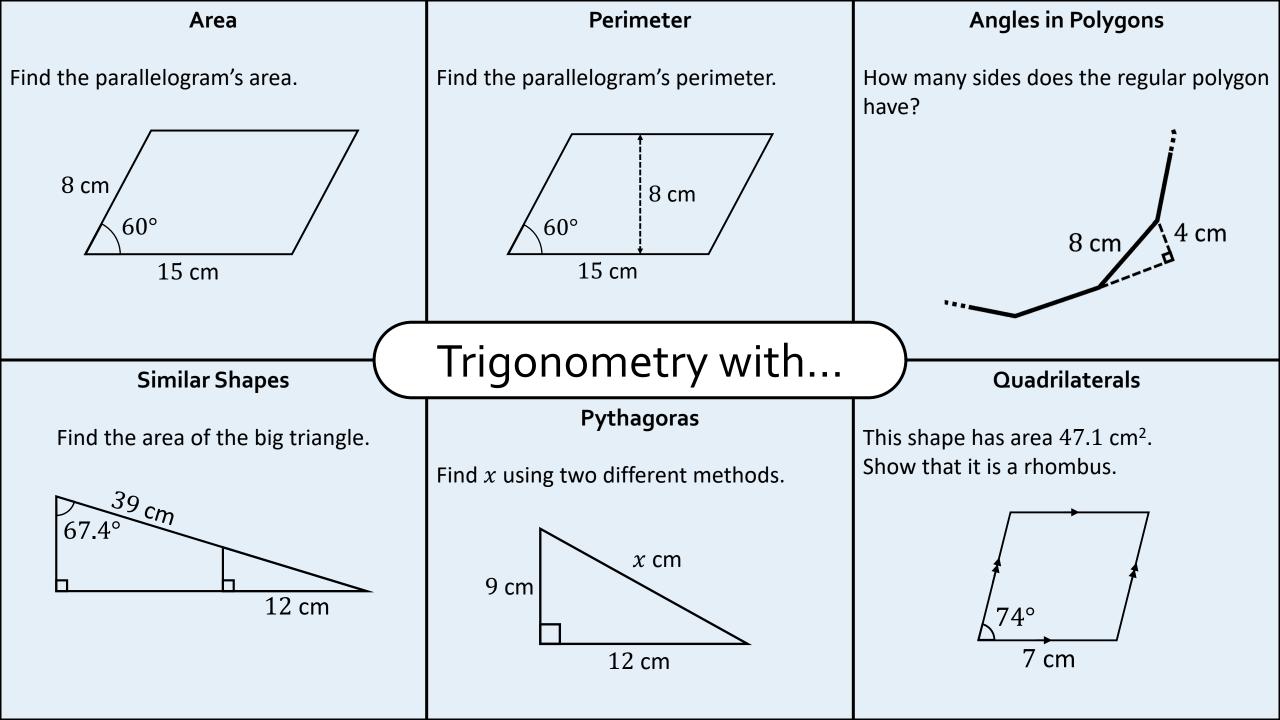


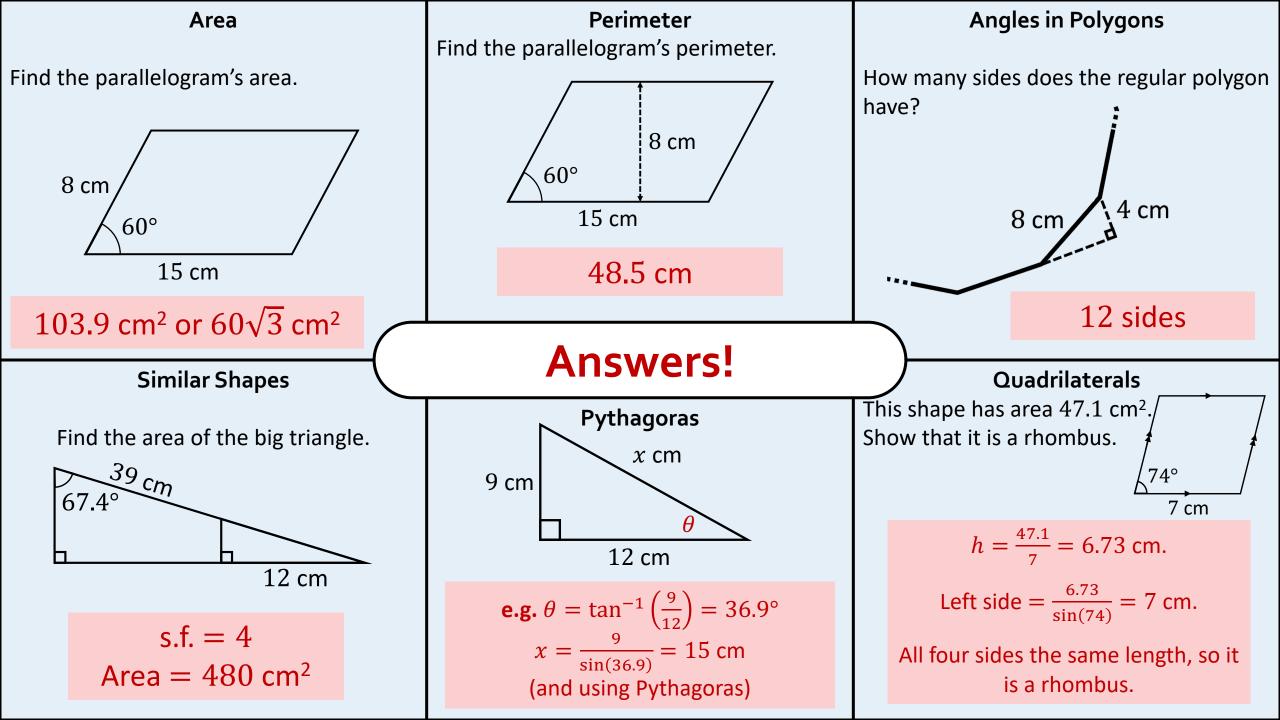
Area and Perimeter

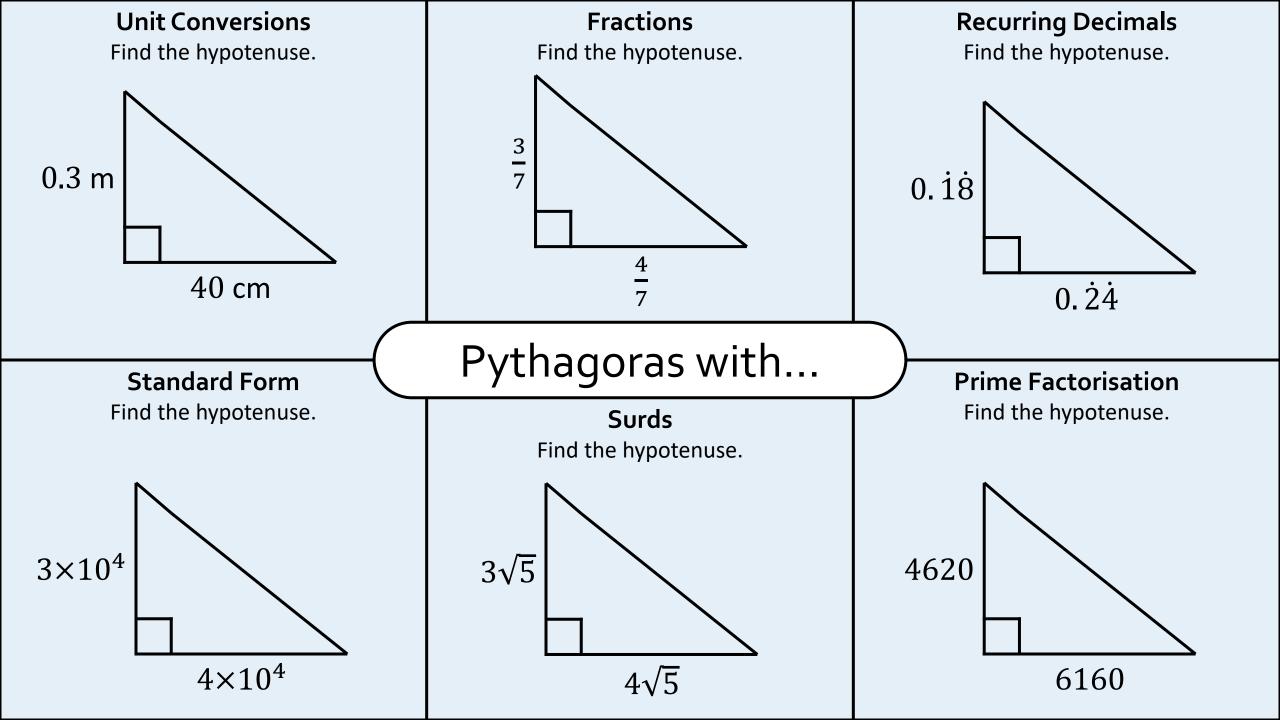
Standard Form

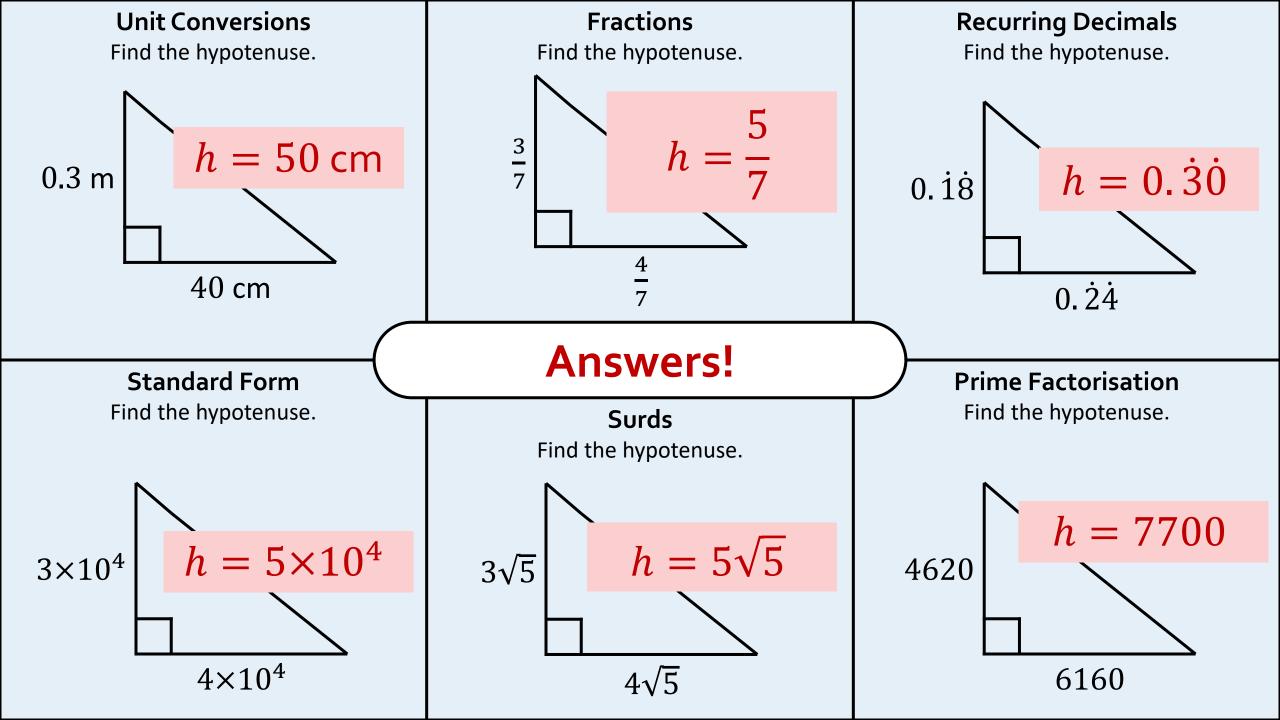
Fractions				Decimals		Standard Form	
Which of the following round to 0.3 to one decimal place:			und to 0.3 to	Which of the following round to 0.2 to one decimal place:		Which of the following round to 0.001 to one significant figure:	
_	$\frac{1}{3}$	$\frac{35}{99}$	25 99		+ 0.045 - 0.045		$\times 10^{-4}$
	$\frac{1}{4}$	$\frac{35}{100}$	$\frac{25}{100}$	0.2 ×	< 1.25		$\frac{\times 10^{-3}}{10^{-3}}$
-	1	35	25	0.2 ÷	- 1.25		$\times 10^{-3}$
	5	101	101		• • • •	1.4	$\times 10^{-2}$
Surds				Roundin	ig with	Equa	ations
Which of the following round to 10 to one significant figure:			und to 10 to	Substitution Which of the following round to 40 to the nearest 10 when: a = 30, b = 4, c = -0.5		Which of the followi that round to 8 to th number.	-
	$\sqrt{26}$	$\sqrt{200}$	³ √2000	a = 30, b =	4, c = -0.5		1
	2\sqrt{21}	$4\sqrt{14}$	∛3000	a+b+2c	a+b-2c	5x = 35	4x = 35
	3√11	3√26	∛4000	a + 4b + 2c	a+4b-2c	5x + 1 = 35	5x - 1 = 35



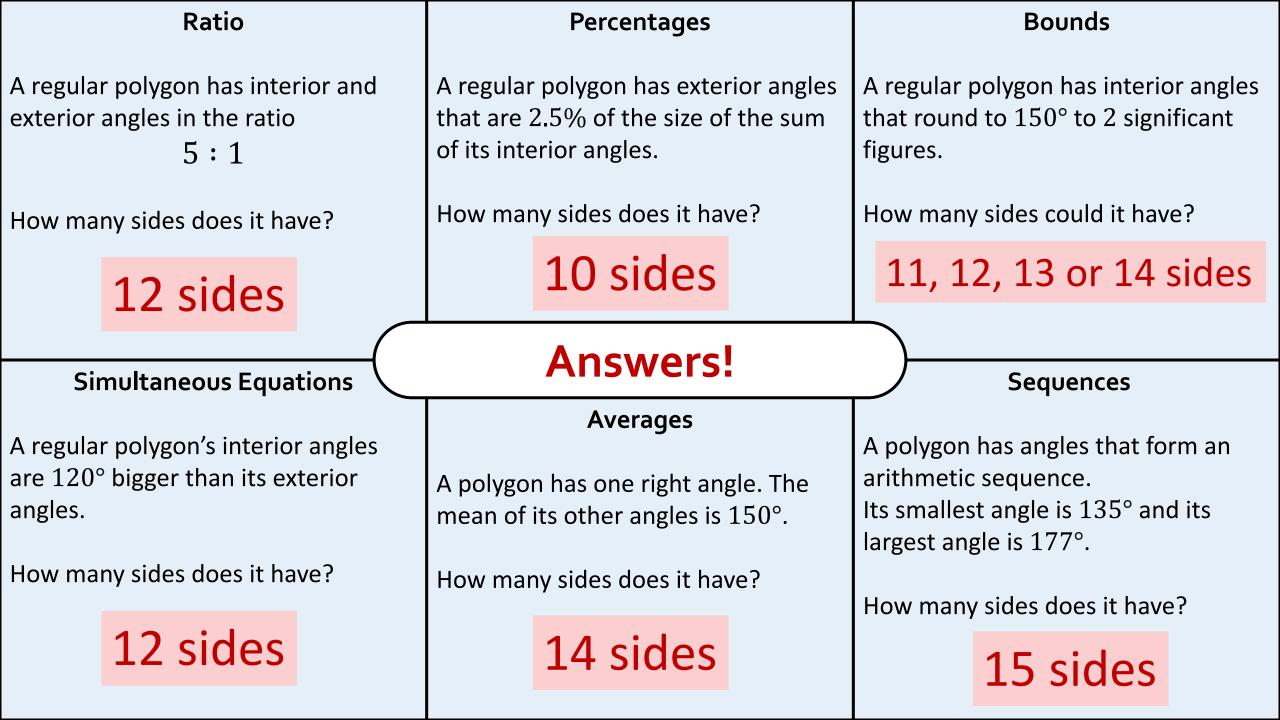








Ratio	Percentages	Bounds					
A regular polygon has interior and exterior angles in the ratio $5:1$	A regular polygon has exterior angles that are 2.5% of the size of the sum of its interior angles.	A regular polygon has interior angles that round to 150° to 2 significant figures.					
How many sides does it have?	How many sides does it have?	How many sides could it have?					
	Simultaneous Equations (Angles in polygons with)						
Simultaneous Equations		- Sequences					
A regular polygon's interior angles are 120° bigger than its exterior angles.	Averages A polygon has one right angle. The mean of its other angles is 150°.	A polygon has angles that form an arithmetic sequence. Its smallest angle is 135° and its largest angle is 177°.					
How many sides does it have?	How many sides does it have?	How many sides does it have?					



 $A\widehat{D}B = 20^{\circ}$ $A\hat{C}B = 20^{\circ}$ $A\widehat{D}B = 20^{\circ}$ $A\widehat{D}B = 20^{\circ}$ What is $A\hat{C}B$? What is $A\hat{B}C$? What is $A\hat{B}C$? What is $A\hat{E}B$? (2 answers) Circle Theorems with... $A\hat{B}C = 20^{\circ}$ $A\hat{C}B = 20^{\circ}$ C is the centre of the circle, all other points are on the circumference. $A\widehat{D}B = 90^{\circ}$ $A\widehat{B}C = 20^{\circ}$ What is $A\hat{C}B$? What is $A\widehat{D}B$? What is $A\widehat{D}B$? What is $A\hat{E}B$? (2 answers)

