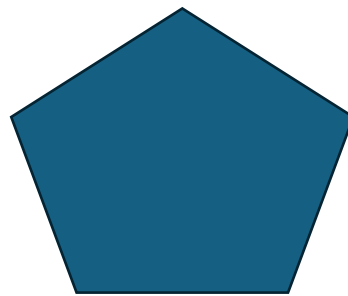


Regular Shape Worksheet 1

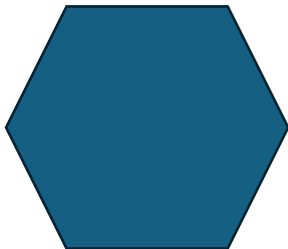
The formula for a single interior angle in a regular polygon is $(n - 2) \times 180^\circ / n$, where 'n' is the number of sides. To find this, first calculate the sum of all interior angles using $(n - 2) \times 180^\circ$, then divide that sum by the number of sides, 'n', because all angles in a regular polygon are equal.

1/ What is the single interior angle of this regular pentagon?

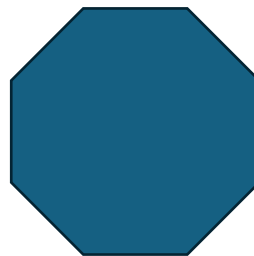


2/ What are the names of these regular shapes?

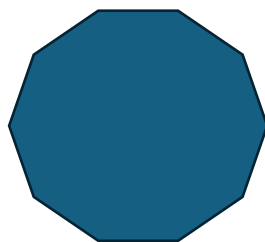
a)



b)



3/ What is the single interior angle of this regular decagon?

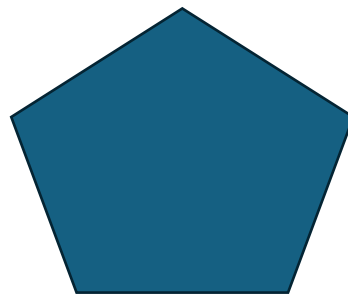


Regular Shape Worksheet 1

The formula for a single interior angle in a regular polygon is $(n - 2) \times 180^\circ / n$, where 'n' is the number of sides. To find this, first calculate the sum of all interior angles using $(n - 2) \times 180^\circ$, then divide that sum by the number of sides, 'n', because all angles in a regular polygon are equal.

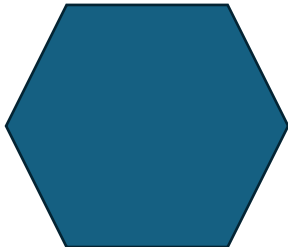
1/ What is the single interior angle of this regular pentagon?

$$\frac{(5 - 2) \times 180}{5} = 108^\circ$$



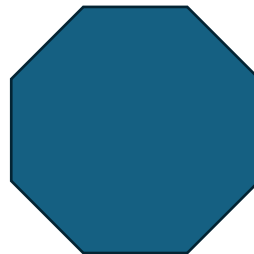
2/ What are the names of these regular shapes?

a)



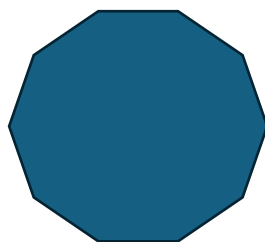
hexagon

b)



octagon

3/ What is the single interior angle of this regular decagon?



$$\frac{(10 - 2) \times 180}{10} = 144^\circ$$