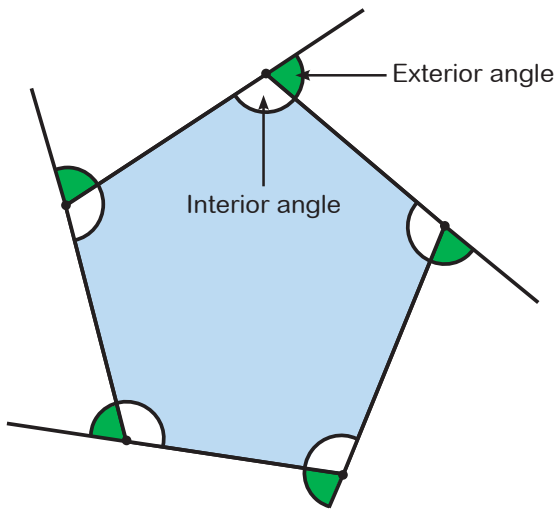


# Angles in Regular Polygons



## Section A

Complete the formula for interior and exterior angles of regular polygons and then fill in the table.



For regular polygons with  $n$  sides

Sum of exterior angles =

Interior angle + Exterior angle =

Exterior angle =   $\div n$

Sum of interior angles =   $\times (n -$    $)$

$n$ (number of sides)	Exterior Angle	Interior Angle	Sum of Interior Angles
3			180°
6			
	18°		
		140°	
8			
			540°
		150°	
			360°
			1440°
		156°	

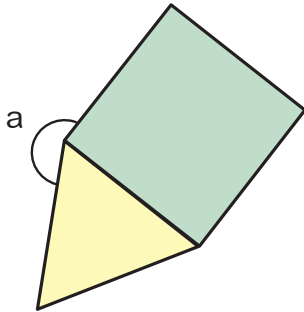
# Angles in Regular Polygons



## Section B

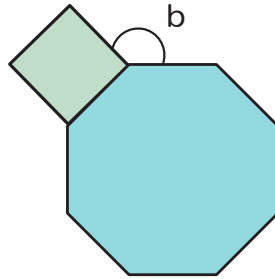
The following questions contain regular polygons.  
Work out the missing angles.

1)



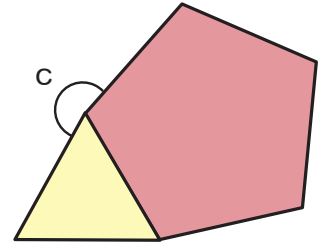
$a = \underline{\hspace{2cm}}$

2)



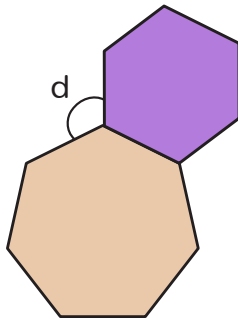
$b = \underline{\hspace{2cm}}$

3)



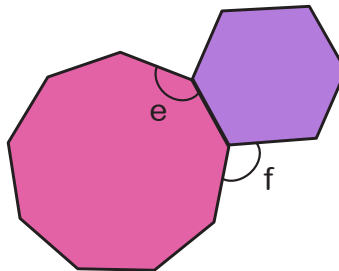
$c = \underline{\hspace{2cm}}$

4)



$d = \underline{\hspace{2cm}}$

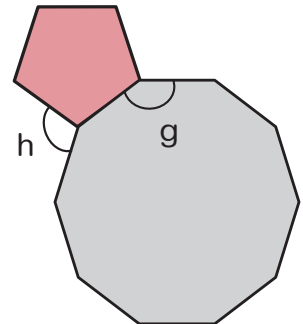
5)



$e = \underline{\hspace{2cm}}$

$f = \underline{\hspace{2cm}}$

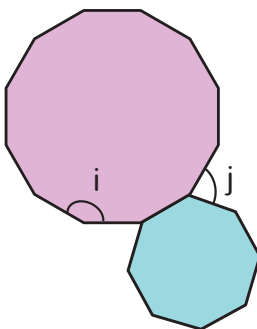
6)



$g = \underline{\hspace{2cm}}$

$h = \underline{\hspace{2cm}}$

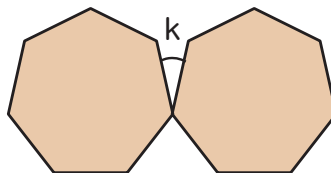
7)



$i = \underline{\hspace{2cm}}$

$j = \underline{\hspace{2cm}}$

8)



$k = \underline{\hspace{2cm}}$