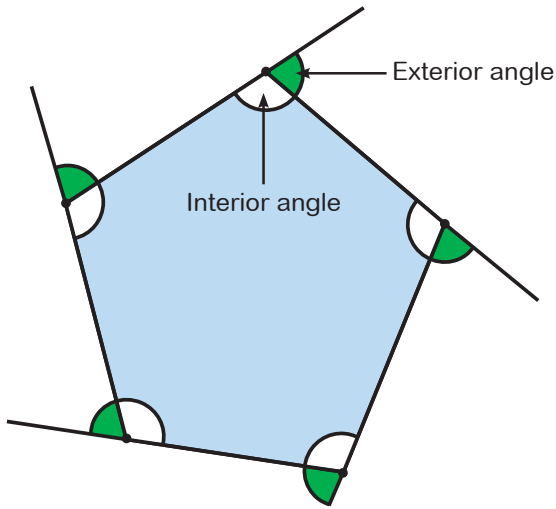




Section A

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 = 360°

Interior angle + Exterior angle = 180°

Exterior angle = $360^\circ \div n$

Sum of interior angles = $180^\circ \times (n - 2)$

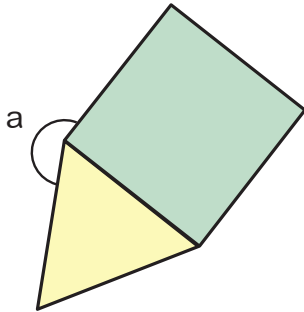
n (number of sides)	Exterior Angle	Interior Angle	Sum of Interior Angles
3	120°	60°	180°
6	60°	120°	720°
20	18°	162°	3240°
9	40°	140°	1260°
8	45°	135°	1080°
5	72°	108°	540°
12	30°	150°	1800°
4	90°	90°	360°
10	36°	144°	1440°
15	24°	156°	2340°



Section B

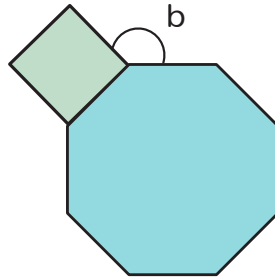
The following questions contain regular polygons.
Work out the missing angles.

1)



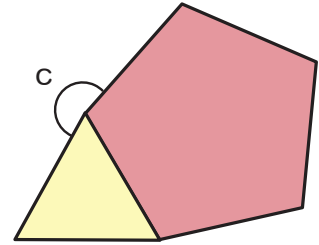
$a = 210^\circ$

2)



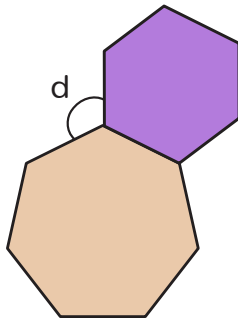
$b = 135^\circ$

3)



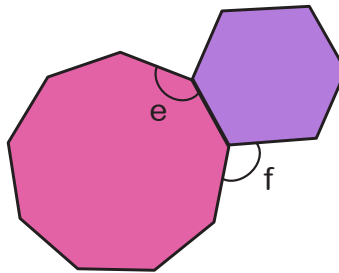
$c = 192^\circ$

4)



$d = 111.4^\circ$

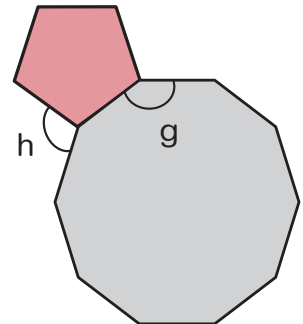
5)



$e = 140^\circ$

$f = 100^\circ$

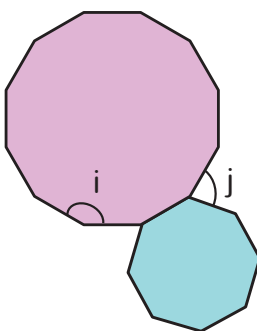
6)



$g = 144^\circ$

$h = 108^\circ$

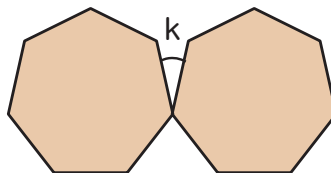
7)



$i = 150^\circ$

$j = 75^\circ$

8)



$k = 25.6^\circ$