Understand and use the sum of exterior angles of any polygon



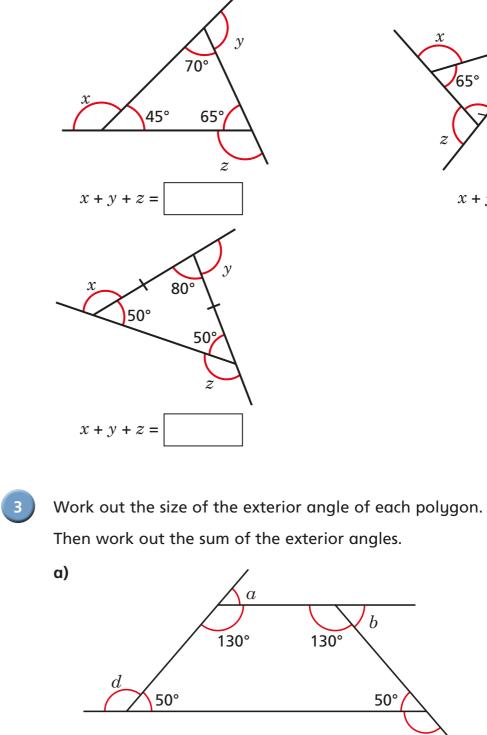
b) x, y and z are the exterior angles of triangle ABC.

Work out the sizes of these angles.

y =

x =

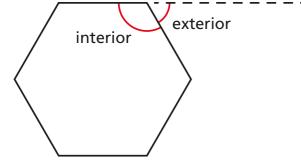
- c) Complete the calculation.
- d) Work out the exterior angles of each triangle. Label them on the diagram and complete the calculations.





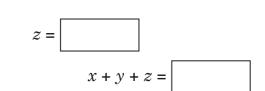
a + b + c + d =

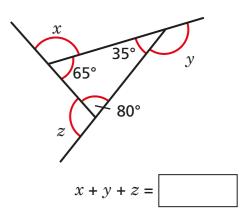
The diagram shows an interior angle of a hexagon and its adjacent exterior angle.

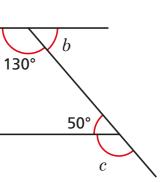


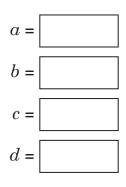
- a) Talk to a partner about why you think they are called interior and exterior angles.
- **b)** Choose from the list to complete the sentences.

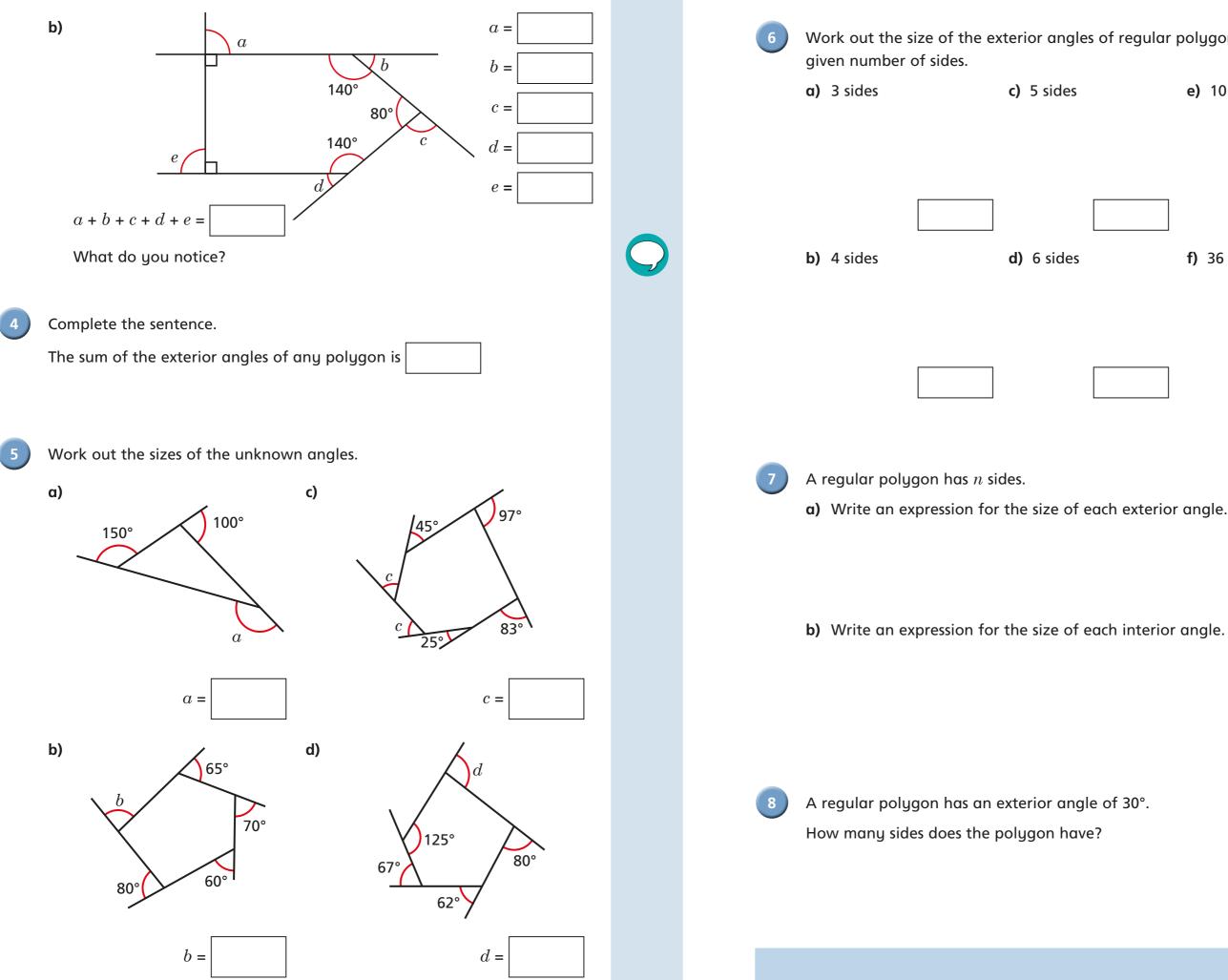
	adjacentinteriorexteriorstraightsum180°	
	An angle and its	
	angle form a line. Therefore they	
	to	
c)	Complete the statement.	
	interior angle + exterior angle =	
ABC is an equilateral triangle. B y 60° x 60° 60° z z		
a)	Explain why each of the interior angles is 60°.	











gles of regular polygons with the	
es e) 10 sides	
es f) 36 sides	
of each exterior angle.	Ç



