Interior and exterior angles of regular polygons

108

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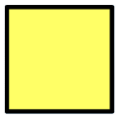
Name:

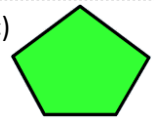
Calculate the size of each **exterior** angle of the **regular** shapes:

a) 

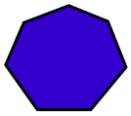
60°

b) 

90°

c) 

108°

d) 

128.6°

n) Decagon

144°

o) Octagon

135°

p) Hexagon

120°

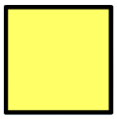
q) 18 sided shape

160°

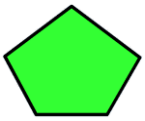
Calculate the size of each **interior** angle of the **regular** shapes:

a) 

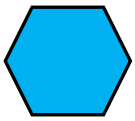
120°

b) 

90°

c) 

72°

d) 

60°

n) Decagon

36°

o) Octagon

45°

p) 12 sided shape

30°

q) 18 sided shape

20°

Find the number of sides of a **regular** polygon which has an **interior** angle of:

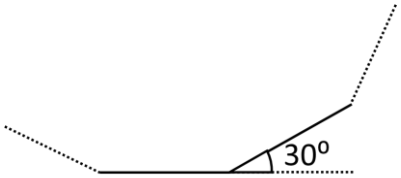
a) 90°	4	d) 120°	6	g) 135°	8
b) 144°	10	e) 157.5°	16	h) 160°	18

Find the number of sides of a **regular** polygon which has an **exterior** angle of:

a) 120°	3	d) 15°	24	g) 7.5°	48
b) 9°	40	e) 22.5°	16	h) 14.4°	25

Exam question:

Find the number of sides of a **regular** polygon which has an exterior angle of 30°.



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