



Determine exterior angles of regular polygons

1

How many sides does this shape have?

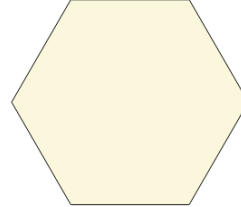


A 2 Sides

B 4 Sides

2

Name the type of shape



A quadrilateral

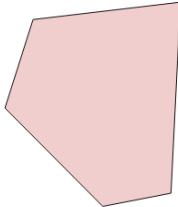
B octagon

C hexagon

D pentagon

3

Name the type of shape

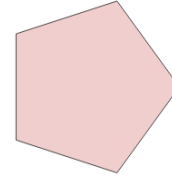


A Irregular

B Regular

4

Name the type of shape



A Regular hexagon

B Irregular pentagon

C Regular octagon

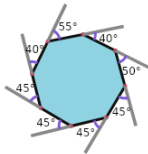
D Regular pentagon

E Irregular hexagon

F Irregular quadrilateral

5

What is the rule for the sum of the exterior angles of a polygon?



A All exterior angles sum to 720°

B All exterior angles sum to 270°

C All exterior angles sum to $(8 - 2) \times 180^\circ$

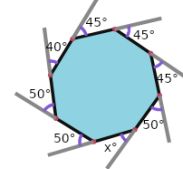
D All exterior angles sum to 360°

E All exterior angles sum to 540°

F All exterior angles sum to 180°

6

What is the missing exterior angle?



A 55°

B 35°

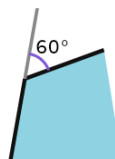
C 15°

D 75°

E 95°

7

This is the 60° exterior angle of a regular polygon. What type of polygon is it?



A Triangle

B Pentagon

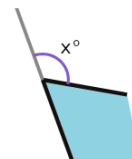
C Octagon

D Hexagon

E Quadrilateral

8

This is a regular triangle. What is the exterior angle?



A 60°

B 90°

C 120°

D 45°

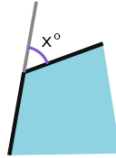
E 72°



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9

This is a regular hexagon. What is the exterior angle?



A 72°

B 45°

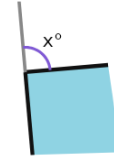
C 120°

D 90°

E 60°

10

This is a regular quadrilateral. What is the exterior angle?



A 120°

B 45°

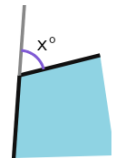
C 90°

D 60°

E 72°

11

This is a regular pentagon. What is the exterior angle?



A 90°

B 120°

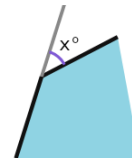
C 60°

D 72°

E 45°

12

This is a regular octagon. What is the exterior angle?



A 60°

B 90°

C 45°

D 120°

E 72°