

Solutions – Exterior Angles of a Polygon (A)

A regular n-sided polygon has exterior angles of 1° . Find n.

360

A regular polygon has 10 sides. Find the size of each exterior angle.

36°

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

A regular n-sided polygon has exterior angles of 5° . Find n.

72

A regular polygon has 4 sides. Find the size of each exterior angle.

90°

A regular n-sided polygon has exterior angles of 8° . Find n.

45

Solutions – Exterior Angles of a Polygon (B)

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

A regular polygon has 4 sides. Find the size of each exterior angle.

90°

A regular n-sided polygon has exterior angles of 12° . Find n.

30

A regular polygon has 8 sides. Find the size of each exterior angle.

45°

A regular n-sided polygon has exterior angles of 3° . Find n.

120

A regular n-sided polygon has exterior angles of 36° . Find n.

10

Solutions – Exterior Angles of a Polygon (C)

A regular n-sided polygon has exterior angles of 10° . Find n.

36

A regular polygon has 5 sides. Find the size of each exterior angle.

72°

A regular n-sided polygon has exterior angles of 15° . Find n.

24

A regular n-sided polygon has exterior angles of 3° . Find n.

120

A regular polygon has 6 sides. Find the size of each exterior angle.

60°

A regular polygon has 4 sides. Find the size of each exterior angle.

90°

Solutions – Exterior Angles of a Polygon (D)

A regular n-sided polygon has exterior angles of 8° . Find n.

45

A regular polygon has 10 sides. Find the size of each exterior angle.

36°

A regular n-sided polygon has exterior angles of 10° . Find n.

36

A regular polygon has 4 sides. Find the size of each exterior angle.

90°

A regular n-sided polygon has exterior angles of 6° . Find n.

60

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

Solutions – Exterior Angles of a Polygon (E)

A regular polygon has 8 sides. Find the size of each exterior angle.

45°

A regular n-sided polygon has exterior angles of 24°. Find n.

15

A regular n-sided polygon has exterior angles of 9°. Find n.

40

A regular polygon has 5 sides. Find the size of each exterior angle.

72°

A regular polygon has 6 sides. Find the size of each exterior angle.

60°

A regular n-sided polygon has exterior angles of 15°. Find n.

24

Solutions – Exterior Angles of a Polygon (F)

A regular n-sided polygon has exterior angles of 2° . Find n.

180

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

A regular n-sided polygon has exterior angles of 30° . Find n.

12

A regular polygon has 4 sides. Find the size of each exterior angle.

90°

A regular n-sided polygon has exterior angles of 8° . Find n.

45

A regular polygon has 3 sides. Find the size of each exterior angle.

120°

Solutions – Exterior Angles of a Polygon (G)

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

A regular n-sided polygon has exterior angles of 15°. Find n.

24

A regular n-sided polygon has exterior angles of 1°. Find n.

360

A regular n-sided polygon has exterior angles of 12°. Find n.

30

A regular polygon has 3 sides. Find the size of each exterior angle.

120°

A regular polygon has 8 sides. Find the size of each exterior angle.

45°

Solutions – Exterior Angles of a Polygon (H)

A regular n-sided polygon has exterior angles of 24° . Find n.

15

A regular n-sided polygon has exterior angles of 36° . Find n.

10

A regular polygon has 6 sides. Find the size of each exterior angle.

60°

A regular polygon has 5 sides. Find the size of each exterior angle.

72°

A regular n-sided polygon has exterior angles of 15° . Find n.

24

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

Solutions – Exterior Angles of a Polygon (I)

A regular n-sided polygon has exterior angles of 3° . Find n.

120

A regular n-sided polygon has exterior angles of 24° . Find n.

15

A regular n-sided polygon has exterior angles of 36° . Find n.

10

A regular polygon has 6 sides. Find the size of each exterior angle.

60°

A regular polygon has 9 sides. Find the size of each exterior angle.

40°

A regular polygon has 10 sides. Find the size of each exterior angle.

36°

Solutions – Exterior Angles of a Polygon (J)

A regular polygon has 3 sides. Find the size of each exterior angle.

120°

A regular polygon has 6 sides. Find the size of each exterior angle.

60°

A regular n-sided polygon has exterior angles of 5° . Find n.

72

A regular n-sided polygon has exterior angles of 3° . Find n.

120

A regular polygon has 10 sides. Find the size of each exterior angle.

36°

A regular n-sided polygon has exterior angles of 15° . Find n.

24