



Find the sum of the interior angles

1 pentagon
 540°

2 hexagon
 720°

3 octagon
 1080°

4 decagon
 1440°

5 12 sided polygon
 1800°

6 20 sided polygon
 3240°



Find each exterior angle of the regular polygon

7 hexagon
 60°

8 quadrilateral
 90°

9 decagon
 36°

10 nonagon
 40°

11 12 sided polygon
 30°

12 15 sided polygon
 24°



Find each interior angle of the regular polygon

13 pentagon
 108°

14 octagon
 135°

15 triangle
 60°

16 nonagon
 140°

17 18 sided polygon
 160°

18 24 sided polygon
 165°



Each exterior angle of a regular polygon is given. How many sides does it have?

19 40°
 9

20 30°
 12

21 72°
 5

22 24°
 15

23 20°
 18

24 8°
 45



Each interior angle of a regular polygon is given. How many sides does it have?

25 150°
 12

26 140°
 9

27 108°
 5

28 156°
 15

29 162°
 20

30 165°
 24