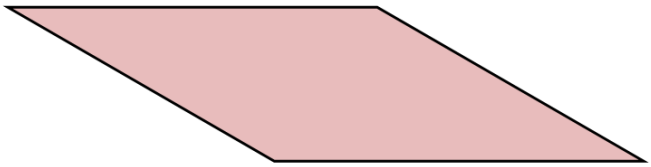
Name

Determine the sum of interior angles of a polygon

1

How many sides does this shape have?



A	B
5 Sides	4 Sides

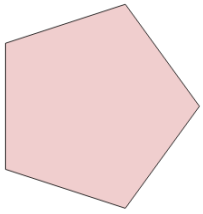
2

pentagon

A	B	C
8	7	5
D	**E**	
4	2	

3

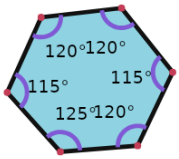
Name the type of shape



A	B	C	D
hexagon	octagon	quadrilateral	pentagon

4

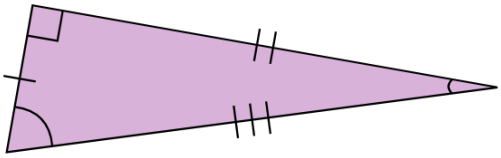
What is the rule for the sum of the interior angles of a polygon?



A	B	C
All angles sum to (6 - 2) × 360°	All angles sum to 180°	All angles sum to 720°
D	**E**	**F**
All angles sum to (6 - 3) × 180°	All interior angles sum to (6 - 2) × 180°	All angles sum to 540°

5

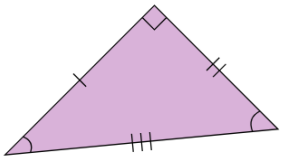
What would the sum of the inside angles on this shape be?



A	B	C
90º	180º	240º
D	**E**	**F**
300º	150º	210º

6

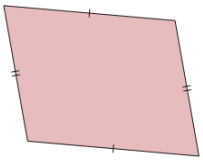
What would the sum of the inside angles on this shape be?



A	B	C
120º	210º	240º
D	**E**	**F**
150º	330º	180º

7

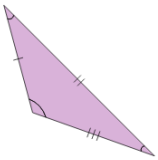
What would the sum of the inside angles on this shape be?



A	B	C
540º	360º	330º
D	**E**	**F**
480º	270º	510º

8

What would the sum of the inside angles on this shape be?

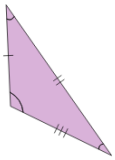


A	B	C
120º	180º	90º
D	**E**	**F**
240º	300º	330º

Name

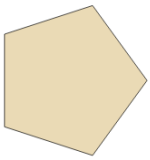
Determine the sum of interior angles of a polygon

9
What would the sum of the inside angles on this shape be?



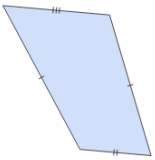
A 180º	B 360º	C 60º
D 300º	E 240º	F 330º

10
What would the sum of the inside angles on this shape be?



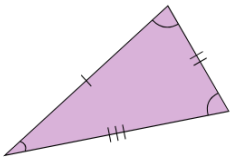
A 630º	B 450º	C 480º
D 720º	E 570º	F 540º

11
What would the sum of the inside angles on this shape be?



A 270º	B 540º	C 360º
D 420º	E 480º	F 330º

12
What would the sum of the inside angles on this shape be?



A 210º	B 270º	C 360º
D 90º	E 180º	F 150º