

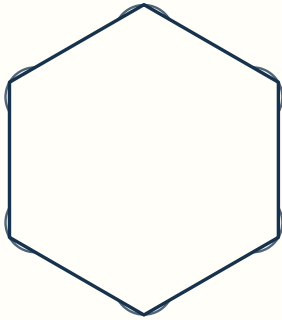
# Polygon angles — Inside a polygon

Name: \_\_\_\_\_

Date: \_\_\_\_\_

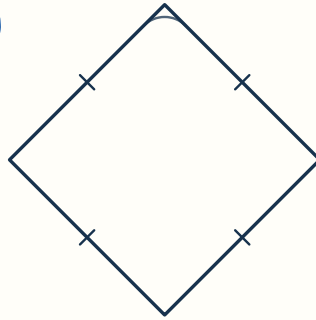
Work out the angle each shape is asking for. Give every answer in degrees.

1



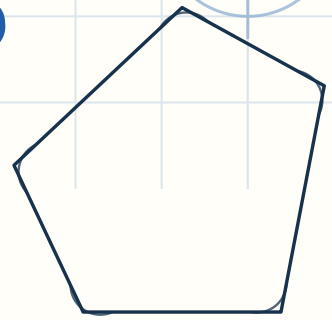
All the angles together  
\_\_\_\_\_ degrees

2



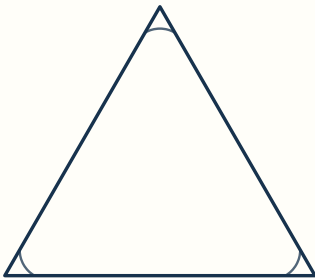
Each of its angles  
\_\_\_\_\_ degrees

3



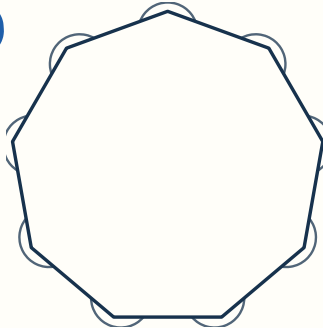
All the angles together  
\_\_\_\_\_ degrees

4



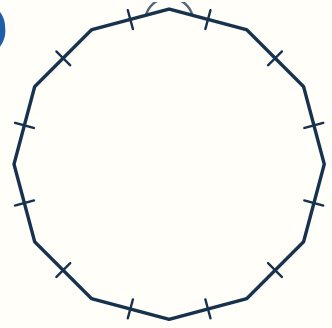
All the angles together  
\_\_\_\_\_ degrees

5



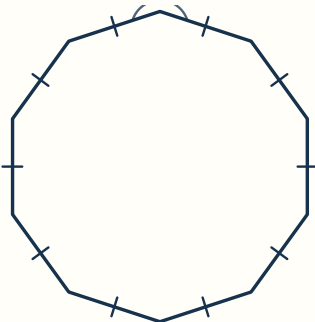
All the angles together  
\_\_\_\_\_ degrees

6



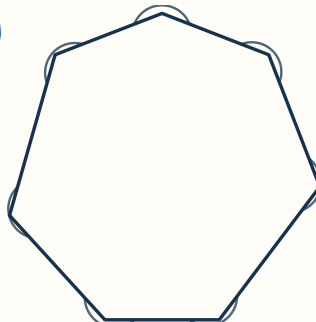
Each of its angles  
\_\_\_\_\_ degrees

7



Each of its angles  
\_\_\_\_\_ degrees

8



All the angles together  
\_\_\_\_\_ degrees



## Polygon angles · Inside a polygon — Answer key

1. 6-sided, all the angles:  
720°

2. regular 4-sided, each  
angle: 90°

3. 5-sided, all the angles:  
540°

4. 3-sided, all the angles:  
180°

5. 9-sided, all the angles:  
1260°

6. regular 12-sided, each  
angle: 150°

7. regular 10-sided, each  
angle: 144°

8. 7-sided, all the angles:  
900°

