|  |  |  |  |
| --- | --- | --- | --- |
| **Shape** | **Name** | **Number of Sides** | **Sum of Angles** |
| triangle | Triangle | 3 | 180o |
| Quadrilateral | Quadrilateral | 4 | 360o |
| Pentagon | Pentagon | 5 | 540o |
| Hexagon | Hexagon | 6 | 720o |
| regular heptagon | Heptagon | 7 | 900o |
| regular octagon | Octagon | 8 | 1080o |
| regular nonagon | Nonagon | 9 | 1260o |
| decagon | Decagon | 10 | 1440o |

In a quadrilateral, there is a right angle, a 100o angle and 130o angle. What is the measure of the remaining angle?

**90 + 100 + 130 = 320o**

**360 – 320 = 40o**

In a pentagon, two of the angles have a measure 70o, another angle measures 50o and another angle measure 40o. What is the measure of the remaining angle?

**70 + 70 + 50 + 40 = 230o**

**540 – 230 = 210o**

 

 

 

 