|  |  |
| --- | --- |
| **Fill in the Blanks** | **Angles in Regular Polygons** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Number of Sides** | **Sum of Interior Angles** | **Size of an Interior Angle** | **Size of an Exterior Angle** |
| $$9$$ | $$\left(9-2\right)×180=1260°$$ | $$\frac{1260}{9}=140°$$ | $$\frac{360}{9}=40°$$ |
| $$5$$ | $$\left(5-2\right)×180=540°$$ |  |  |
| $$12$$ |  |  |  |
| $$8$$ |  |  |  |
| $$15$$ |  |  |  |
| $$36$$ |  |  |  |
|  |  |  | $$60°$$ |
|  |  | $$144°$$ |  |
|  | $$2880°$$ |  |  |
|  | $$900°$$ |  |  |
|  |  | $$162°$$ |  |
|  |  |  | $$22.5°$$ |
| $$24$$ |  | $$165°$$ |  |
| $$x$$ |  |  |  |