

Quiz: Polygons – Sum of Interior Angles

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| 1. | How many sides does a polygon have if the sum of its interior angles is 3240° ? | |
| 2. | What is a polygon called if the sum of its interior angles equals 180° ? | |
| 3. | What is the measure of each exterior angle in a regular octagon? | |
| 4. | What is the measure of a central angle in a octagon? | |
| 5. | If the sum of the interior angles of a polygon equals 3600° , how many sides does the polygon have? | |
| 6. | How many sides does a polygon have if the sum of its interior angles is 1980° ? | |
| 7. | What is the measure of each exterior angle if the sum of its interior angles is 1620° ? | |
| 8. | What is the measure of each interior angle in a regular eighteen-sided polygon? | |
| 9. | What is the measure of a central angle in a regular octagon? | |
| 10. | What is the sum of the interior angles of a fourteen-sided polygon? | |

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| Circle # Correct | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Percentage Score | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |