



**Solve each problem.**

**Answers**

- 1) The patterns on a soccer ball are hexagons and pentagons. How many sides does the Hexagon portion have?
- 2) While reading a book about buildings, Isabel saw a building with 6 sides. This building is an example of what shape?
- 3) A stained glass window is made of hundreds of tiny heptagons. How many sides would each heptagon have?
- 4) While drawing on some scrap paper, Sam drew a shape with 9 sides. What is the name of this shape he drew?
- 5) For an art project Kaleb cut a sheet of paper into a shape with 4 sides, but none of them were the same length. What type of shape was the paper?
- 6) An octagon is a shape with how many sides?
- 7) The patterns on a soccer ball are pentagons and hexagons. How many sides does the pentagon portion have?
- 8) Wendy's family is building a pool in the shape of a nonagon. How many sides will the pool have?
- 9) A normal piece of notebook paper has 4 sides, 2 that are the same length and another 2 that are the same length. What type of shape is the paper?
- 10) Megan was doing a craft project where she cut a piece of paper into a shape with 7 sides. What is the name of this shape?
- 11) Henry was looking at coin shapes from other countries and found one with 10 sides. This coin is what shape?
- 12) While walking to school, Oliver saw a sign with 8 sides. What shape would the sign be?
- 13) Chloe's family is building a pool in the shape of a nonagon. How many sides will the pool have?
- 14) Cody sketched a logo into the shape of a decagon how many sides would the logo have?
- 15) John heard that a shape with 3 sides has angles that will always equal  $180^\circ$ . What shape did learn about?

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**Answers**

1. 6
2. Hexagon
3. 7
4. Nonagon
5. Quadrilateral
6. 8
7. 5
8. 9
9. Rectangle
10. Heptagon
11. Decagon
12. Octagon
13. 9
14. 10
15. Triangle