

**Solve each problem.****Answers**

- 1) The patterns on a soccer ball are hexagons and pentagons. How many sides does the Hexagon portion have?
- 2) Olivia's family is building a pool in the shape of a nonagon. How many sides will the pool have?
- 3) Vanessa 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?
- 4) 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?
- 5) Adam was looking at coin shapes from other countries and found one with 10 sides. This coin is what shape?
- 6) Amy noticed that a table top had 5 sides. Because it has 5 sides, the top of the table would be what shape?
- 7) Sam sketched a logo into the shape of a decagon how many sides would the logo have?
- 8) While drawing on some scrap paper, John drew a shape with 9 sides. What is the name of this shape he drew?
- 9) Billy heard that a shape with 3 sides has angles that will always equal  $180^\circ$ . What shape did he learn about?
- 10) The patterns on a soccer ball are pentagons and hexagons. How many sides does the pentagon portion have?
- 11) While reading a book about buildings, Robin saw a building with 6 sides. This building is an example of what shape?
- 12) While walking to school, Paul saw a sign with 8 sides. What shape would the sign be?
- 13) A stained glass window is made of hundreds of tiny heptagons. How many sides would each heptagon have?
- 14) For an art project Roger 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?
- 15) An octagon is a shape with how many sides?

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**Answers**

1. **6**
2. **9**
3. **heptagon**
4. **rectangle**
5. **decagon**
6. **pentagon**
7. **10**
8. **nonagon**
9. **triangle**
10. **5**
11. **hexagon**
12. **octagon**
13. **7**
14. **quadrilateral**
15. **8**