

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

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

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**Answers**

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