**Solve each problem.**

1) For an art project Henry 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?

2) Lana's family is building a pool in the shape of a nonagon. How many sides will the pool have?

3) Mike was looking at coin shapes from other countries and found one with 10 sides. This coin is what shape?

4) Emily 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) Robin noticed that a table top had 5 sides. Because it has 5 sides, the top of the table would be what shape?

6) The patterns on a soccer ball are pentagons and hexagons. How many sides does the pentagon portion have?

7) An octagon is a shape with how many sides?

8) A stained glass window is made of hundreds of tiny heptagons. How many sides would each heptagon have?

9) While drawing on some scrap paper, Paul drew a shape with 9 sides. What is the name of this shape he drew?

10) While reading a book about buildings, Haley saw a building with 6 sides. This building is an example of what shape?

11) The patterns on a soccer ball are hexagons and pentagons. How many sides does the Hexagon portion have?

12) Nancy bought a poster with 4 equal length sides. What shape was the poster she bought?

13) Dave heard that a shape with 3 sides has angles that will always equal 180°. What shape did he learn about?

14) While walking to school, Jerry saw a sign with 8 sides. What shape would the sign be?

15) Roger sketched a logo into the shape of a decagon how many sides would the logo have?

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

| 1-10 | 93 | 87 | 80 | 73 | 67 | 60 | 53 | 47 | 40 | 33 |
|------|----|----|----|----|----|----|----|----|----|----|
| 11-15 | 27 | 20 | 13 | 7 | 0 | | | | | |

**Answers**

**Solve each problem.**

**1)** For an art project Henry 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?

1. __**quadrilateral**__

**2)** Lana's family is building a pool in the shape of a nonagon. How many sides will the pool have?

2. __**9**__

**3)** Mike was looking at coin shapes from other countries and found one with 10 sides. This coin is what shape?

3. __**decagon**__

**4)** Emily 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. __**heptagon**__

**5)** Robin noticed that a table top had 5 sides. Because it has 5 sides, the top of the table would be what shape?

5. __**pentagon**__

**6)** The patterns on a soccer ball are pentagons and hexagons. How many sides does the pentagon portion have?

6. __**5**__

**7)** An octagon is a shape with how many sides?

7. __**8**__

8. __**7**__

**8)** A stained glass window is made of hundreds of tiny heptagons. How many sides would each heptagon have?

9. __**nonagon**__

**9)** While drawing on some scrap paper, Paul drew a shape with 9 sides. What is the name of this shape he drew?

10. __**hexagon**__

**10)** While reading a book about buildings, Haley saw a building with 6 sides. This building is an example of what shape?

11. __**6**__

**11)** The patterns on a soccer ball are hexagons and pentagons. How many sides does the Hexagon portion have?

12. __**square**__

**12)** Nancy bought a poster with 4 equal length sides. What shape was the poster she bought?

13. __**triangle**__

**13)** Dave heard that a shape with 3 sides has angles that will always equal 180°. What shape did he learn about?

14. __**octagon**__

**14)** While walking to school, Jerry saw a sign with 8 sides. What shape would the sign be?

15. __**10**__

**15)** Roger sketched a logo into the shape of a decagon how many sides would the logo have?

| 1-10 | 93 | 87 | 80 | 73 | 67 | 60 | 53 | 47 | 40 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11-15 | 27 | 20 | 13 | 7 | 0 | | | | | |