

LESSON

Geometry Review

8-1

Building Blocks of Geometry

Identify the figures in the diagram.

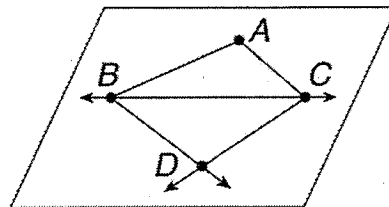
1. three points _____

2. one line _____

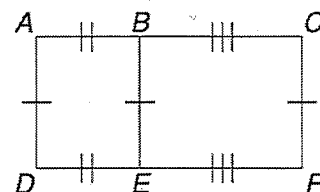
3. a plane _____

4. four rays _____

5. three line segments _____



6. Identify the line segments that are congruent in the figure.



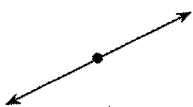
LESSON

8-2

Classifying Angles

Tell whether each angle is acute, right, obtuse, or straight.

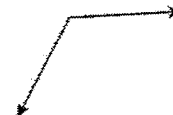
7.



8.



9.



10. Angles W and X are supplementary. If $m\angle W$ is 37° , what is $m\angle X$?

11. Angles S and T are complementary. If $m\angle S$ is 64° , what is $m\angle T$?

12. Angles C and D are supplementary. If $m\angle C$ is 83° , what is $m\angle D$?

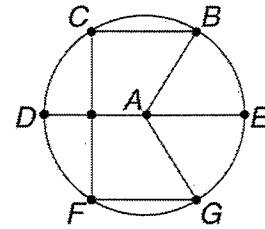
13. Angles U and V are complementary. If $m\angle U$ is 41° , what is $m\angle V$?

LESSON

8-4 *Properties of Circles*

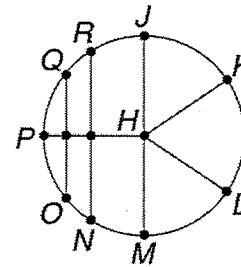
Name the parts of circle A.

- 14. radii _____
- 15. diameters _____
- 16. chords _____



Name the parts of circle H.

- 17. radii _____
- 18. diameters _____
- 19. chords _____



Write the correct answer.

The circle graph shows the results of a survey in which people were asked to name their hobbies.

20. If 1,000 people were surveyed, how many said that collecting things is their favorite hobby?

21. Find the central angle measure of the sector that shows the percent of people who named **sports** as their favorite hobby.

22. Find the central angle measure of the sector that shows the percent of people who named **reading** as their favorite hobby.

23. Find the central angle measure of the sector that shows the percent of people who like to do **crafts** as their favorite hobby. _____

Americans Favorite Hobbies

