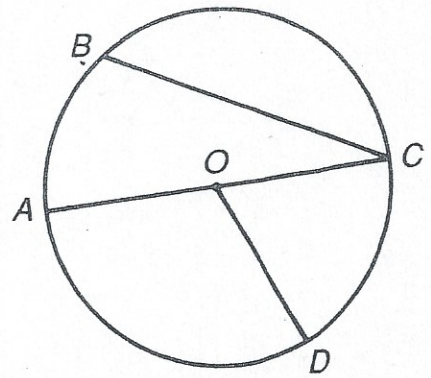


# What Did the Waitress Mean When She Yelled to the Cook: "1 + 1"?



Fill in each blank with one of the answers at the bottom of the page. Then write the letter of the exercise above its correct answer.

The figure at the right is a circle with center at  $O$ .

- (E) The points on a circle are all the same distance from the \_\_\_\_\_.
- (S) A line segment from the center to any point on the circle is a \_\_\_\_\_.
- (U) A line segment with both endpoints on the circle is a \_\_\_\_\_.
- (I) A chord that passes through the center of a circle is a \_\_\_\_\_.
- (O) A diameter of the circle in the drawing above is the segment \_\_\_\_\_.
- (E) Which of the following is *not* a radius:  $\overline{OA}$ ,  $\overline{OD}$ , or  $\overline{BC}$ ? \_\_\_\_\_.
- (S) Which of the following is *not* a chord:  $\overline{BC}$ ,  $\overline{OA}$ , or  $\overline{AC}$ ? \_\_\_\_\_.
- (N) Part of a circle, such as between points  $B$  and  $C$ , is an \_\_\_\_\_.
- (E) An angle whose vertex is at the center of a circle is a \_\_\_\_\_.
- (P) Which of the following is *not* a central angle:  $\angle AOD$ ,  $\angle COD$ , or  $\angle BCA$ ? \_\_\_\_\_.
- (S) Points  $A$ ,  $B$ ,  $C$ , and  $D$  are all the same \_\_\_\_\_ from point  $O$ .
- (O) If the length of  $\overline{AC}$  is 20 cm, then the length of  $\overline{OC}$  is \_\_\_\_\_.
- (N) If the length of  $\overline{OA}$  is 20 cm, then the length of  $\overline{OD}$  is \_\_\_\_\_.
- (W) If the length of  $\overline{OD}$  is 20 cm, then the length of  $\overline{AC}$  is \_\_\_\_\_.
- (L) The length of a radius is \_\_\_\_\_ the length of a diameter.
- (T) The set of points in a plane at a fixed distance from a given point is a \_\_\_\_\_.

10 cm	arc	center	ray	$\angle BCA$	half	chord	$\overline{OA}$	$\angle COD$	$\overline{AC}$	20 cm	central angle	$\overline{OD}$	diameter	distance	80 cm	radius	circle	$\overline{BC}$	40 cm
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