Parts of a Circle

…and names for them

**F**

**E**

**G**

**H**

**J**

One way to name a line segment is by using the names of its endpoints. For example, the line segment below is called:

  A B

1. Using this method of naming line segments, what are the names of all the radii in circle J?
2. What are the names of all of the diameters?
3. A chord is a straight line segment that goes from one side of the circle to the other. It does not have to go through the center. What are the names of all the chords shown in the circle?
4. Using a colored pencil or marker, highlight the circumference of circle J.

Parts of a Circle - Key

…and naming them…

**F**

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One way to name a line segment is by using the names of its endpoints. For example the line segment below is called:

  A B

1. Using this method of naming line segments, what are the names of all the radii in circle J?

$\overbar{FJ}, \overbar{GJ}, \overbar{HJ}, \overbar{EJ}$ (Tell them that the order of the letters doesn’t matter but is usually done in alphabetical order.)

1. What are the names of all of the diameters?

$$\overbar{FH}, \overbar{EG}$$

1. A chord is a straight line segment that goes from one side of the circle to the other. It does not have to go through the center. What are the names of all the chords shown in the circle?

$\overbar{EF}, \overbar{FH}, \overbar{EG}$ (Remind them that the diameter goes from one side of the circle to the other, the difference is that it also goes through the center, but it is still considered a chord.)

1. Using a colored pencil or marker, highlight the circumference of circle J.

Outlined in yellow on the picture.