An example of an individual student's response to our warm up exercise. The student is using their prior knowledge and mathematical vocabulary to explain their reasoning.

Which One Doesn't Belong? Choose one and explain why it doesn't belong (Many correct answers!)

Vocabulary you might use in your mathematical explanation:
Circle
Center
Radius
Diameter
Circumference

the sandwich because it's the only shape that's not a circle. Also, it doesn't have a center, Radius, Diameter, or diameter

√▫   Share with Class

An example of an individual student's idea about what mathematicians mean by the term "radius square." The student is making predictions based on their prior knowledge and what we have been discussing in this lesson.

Each circle has a corresponding radius square. Here is the radius square for this circle.

Circle

Radius Square

Why do you think we call this a radius square?

Discuss with your group, then respond below:

Maybe because the left corner of the square lines up with the center. And because the left and bottom edges of the square are the radius of the circle.

✏ Edit my response

An example of a response from a group of students working together in a Breakout Room. The students are working collaboratively to explore what they notice and wonder about how many radius squares can fit into this circle.

Watch the animation.

Discuss what you notice and what you wonder.

SCRIBE: Write down a few of your group's noticings and wonderings

We notice it takes a little more than 3 to fill it up.

We wonder if it would be considered more because it needs more.

✏ Edit my response