

Math by Design
Windjammer Environmental Center Tasks and Subtasks

3R's: Rest, Relax, and Reflect

Place an octagonal gazebo in the Windjammer Center so folks can unwind and enjoy the natural setting. To keep the floor of the gazebo safe in all types of weather, cover it with a new waterproof, slip-resistant material.

3R's: Rest, Relax, and Reflect Subtask 1: Place and size the gazebo in the Windjammer Center.

Details:

- Two sides of the gazebo are against the edges of the Windjammer Center.
- The gazebo is oriented so that the widest part runs in the east-west direction.
- The maximum east-west length is 36 feet.
- The maximum north-south dimension is 24 feet.

3R's: Rest, Relax, and Reflect Subtask 2: Cover the floor of the gazebo.

Details:

- The gazebo is a composite figure.

3R's: Rest, Relax, and Reflect Subtask 3: How many students can sit inside the gazebo at the same time?

Details:

- Seven sides of the gazebo have benches attached to them. One 12 foot side is open for the entrance. Because of the angles, allow about 3.5 feet per person.