

In this activity, students will work in groups of at least 6 (or even the whole class) to compare the similarity of their class and the rectangular block which the class is part of. Each group will require a field ruler, a book to take records and a pen.

1. Measure the length and with of the class room from outside.

2. Measure the length and the width of the rectangular block which the class is part of.

3. Find the fraction $\frac{\text{width of the block}}{\text{width of the class}}$

4. Find the fraction $\frac{\text{length of the block}}{\text{length of the class}}$

5. Are the two fractions in 3 and 4 above equal?

6. Given that the class was also a rectangle, what is the assumption made based on the relation of the angles of the two; the class and the block?

7. Which conclusion about similarity can be made from the two?

Answer Keys

Day 72:

- 1-5. Different responses
6. Corresponding angles are equal
7. Only two possibilities: similar or not similar