Illustrative Mathematics

Unit 2 Lesson 7: Different Square Units (Part 2)

WU Notice and Wonder: A Bigger Square (Warm up)

Student Task Statement

What do you notice? What do you wonder?

1 Square Feet and Square Meters

Student Task Statement

1. This is a square meter.

What kinds of areas would make sense to measure with square meters? Be ready to explain your reasoning.

2. This is a square foot.

What kinds of areas would make sense to measure with square feet? Be ready to explain your reasoning.

2 Which Square Unit?

Student Task Statement

1. For each area tell if you would use square centimeters, square inches, square feet, or square meters to measure it and why you chose that unit.

    a. The area of a baseball field

    b. The area of a cover of a book you're reading

    c. The area of our classroom

    d. The area of a piece of paper

    e. The area of the top of a table

    f. The area of the screen on a phone

2. Choose the area that best matches each item. Be ready to explain your reasoning.

    - About 9 square inches
    - About 3 square feet
    - About 55 square centimeters
    - About 55 square meters

    a. A playing card

    b. The floor of a classroom

    c. A sticky note

    d. The top of a student desk

3 Area Scavenger Hunt (Optional)

Student Task Statement

Find some object or space that you would measure with square inches, square centimeters, square feet, and square yards.

area	square unit and reasoning
Example: a piece of paper	*Example:* "I think it can fit about 8 inches across and 10 inches down, so square inches work well. It can be measured in square centimeters, too, but would just take a lot more squares. Square feet and square meters would be too large."

area	square unit and reasoning