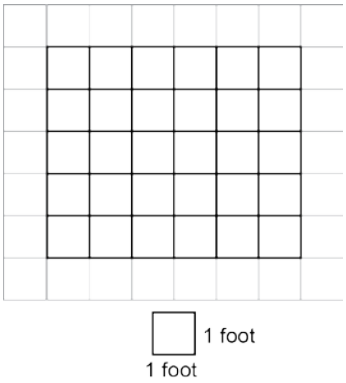
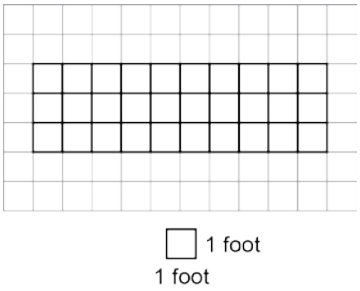
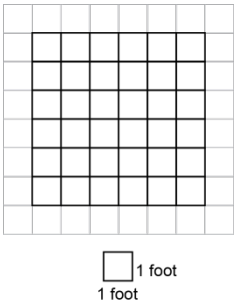
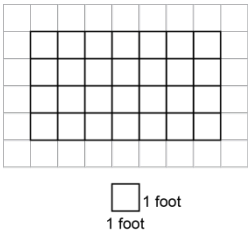
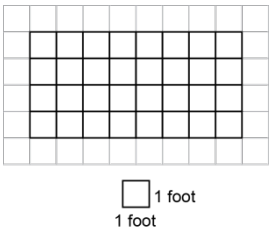
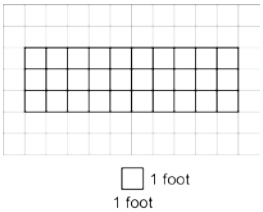
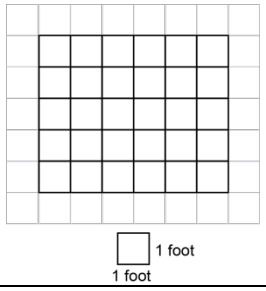
Content Standard	***MAFS.Content.3.MD*** *Measurement and Data* ***MAFS.Content.3.MD.3*** *Geometric measurement: understand concepts of area and relate area to multiplication and addition.* **MAFS.3.MD.3.5** Recognize area as an attribute of plane figures and understand concepts of area measurement. **MAFS.3.MD.3.5a** A square with side length 1 unit, called "a unit square," is said to have "one square unit" of area, and can be used to measure area. **MAFS.3.MD.3.5b** A plane figure which can be covered without gaps or overlaps by *n* unit squares is said to have an area of *n* square units. Also Assessed: **MAFS.3.MD.3.6** Measure areas by counting unit squares (square cm, square m, square in, square ft, and improvised units).
Assessment Limits	Plane figures that can be covered by unit squares. Exponential notation is not expected at this grade level (square cm is acceptable, but cm^2 is not).
Calculator	No
Acceptable Response Mechanisms	Equation Response Multiple Choice Response Multi-Select Response

Context	Allowable
Example	
Context	Alex is designing a floor with tiles to determine the area. (A graphic of a 10 by 2 rectangle is shown.)
Context easier	Limit to single-digit side lengths.
Context more difficult	Increase side lengths of figures. (Note: Factors should be within 100 and should not require students to needlessly count large numbers of tiles.)

Sample Item Stem	Response Mechanism	Notes, Comments
Alex counts the tiles of his floor. What measurement does Alex find? A. The width of one tile B. The cost of one tile C. The perimeter of the floor D. The area of the floor	Multiple Choice Response	

Alex's floor is shown.  What is the area of Alex's floor in square feet?	Multiple Choice Response	
Alex put the tiles shown on his floor.  What is the area of Alex's floor in square feet?	Equation Response	

The area of Alex's floor is 30 square feet. Select all the floors that could be Alex's.      	Multi-Select Response	