

Grade 5 Measurement Goal: Use ordered pairs of numbers to name, locate, and plot points in all four quadrants of a coordinate grid.

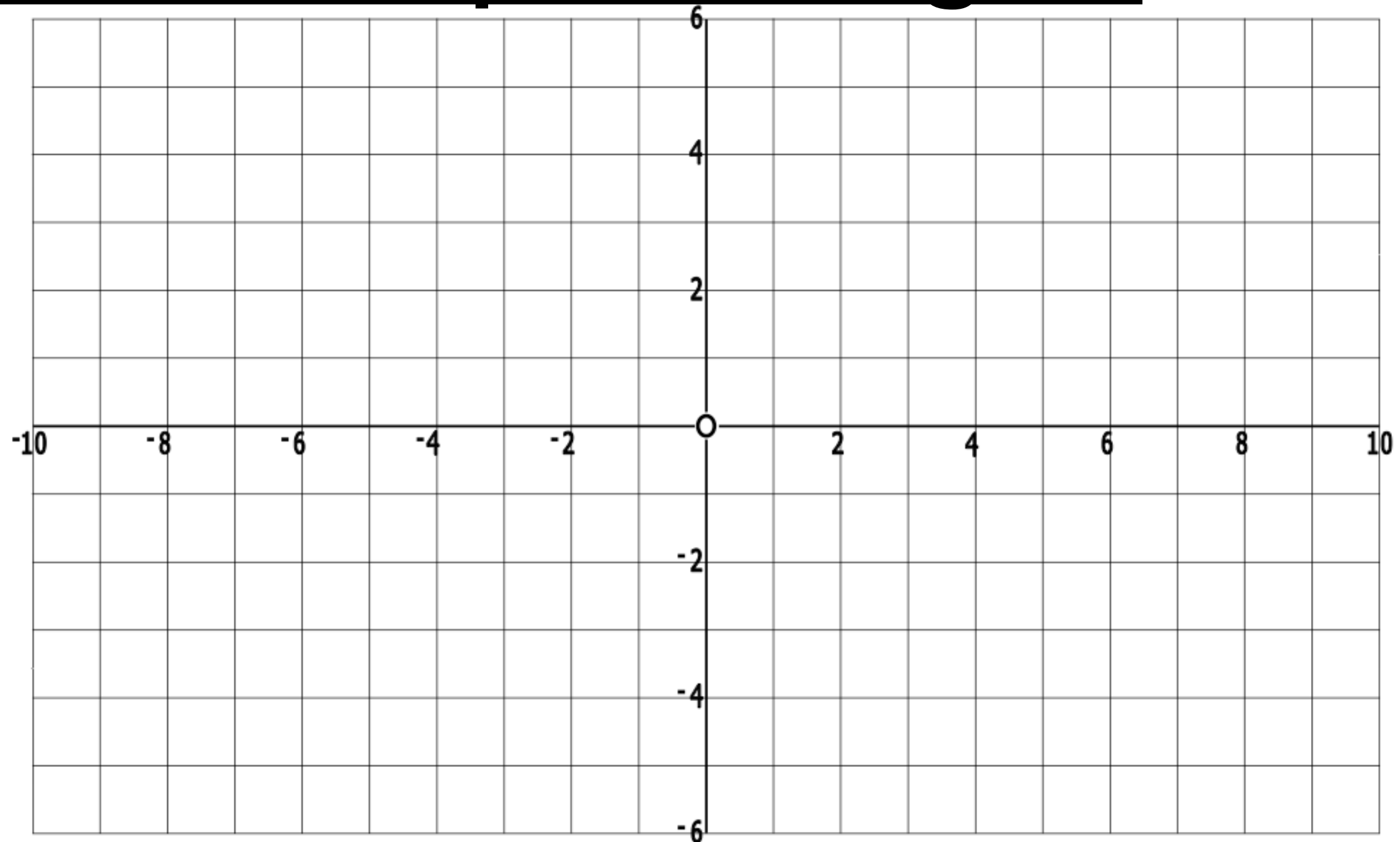
Unit 9: Identify and plot ordered pairs on a one and four-quadrant grid.

Plot and label the following points:

- A: $(-6, 2)$
- B: $(-6, 5)$
- C: $(-1, 6)$

Draw line segments to connect the points as follows: A to B, B to C, and C to A

Plot points on the grid to make a reflection of the figure. Begin with the reflection of Point A at $(6, 2)$



Grade 5 Measurement Goal: Describe and use strategies to find the perimeter of polygons and the area of circles; choose and use appropriate formulas to calculate the areas of rectangles, parallelograms, and triangles, and the volume of a prism; define pi as the ratio of a circle's circumference to its diameter.

Unit 9: Understand the concept of area of a figure.

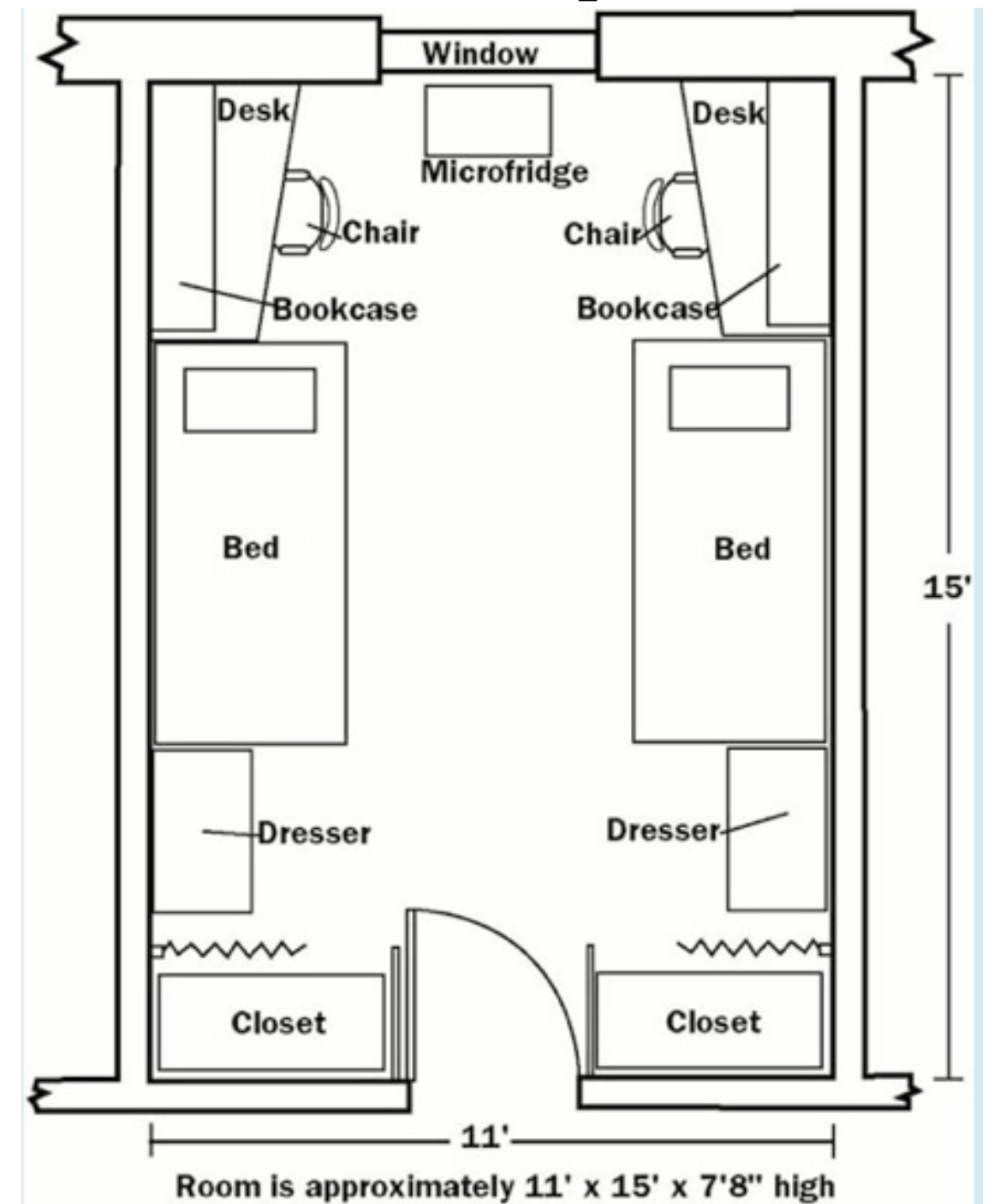
This is a floor plan of a freshman dorm room at a local university.

The university will be installing wall-to-wall carpet (including in the closets) in this room over the summer break.

Do they need to know the area or the perimeter of the room when ordering the carpet?

How much carpet should be ordered?

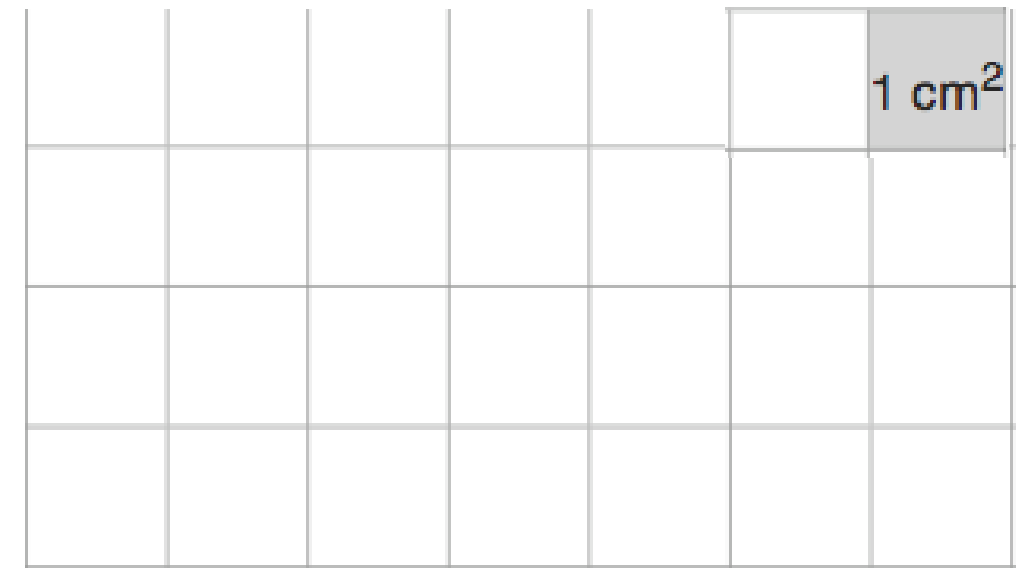
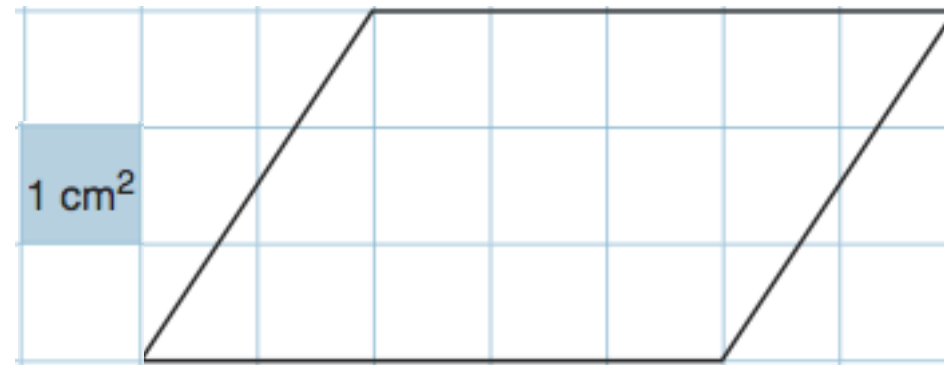
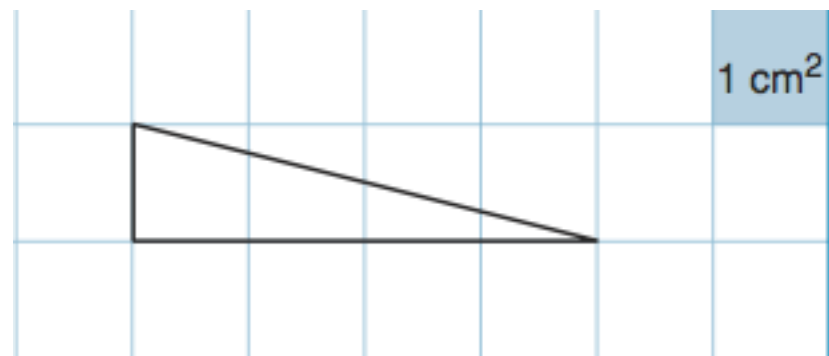
unit



Grade 5 Measurement Goal: Describe and use strategies to find the perimeter of polygons and the area of circles; choose and use appropriate formulas to calculate the areas of rectangles, parallelograms, and triangles, and the volume of a prism; define pi as the ratio of a circle's circumference to its diameter.

Unit 9: Use a formula to find the areas of triangles and parallelograms.

Find the area the two shapes below.

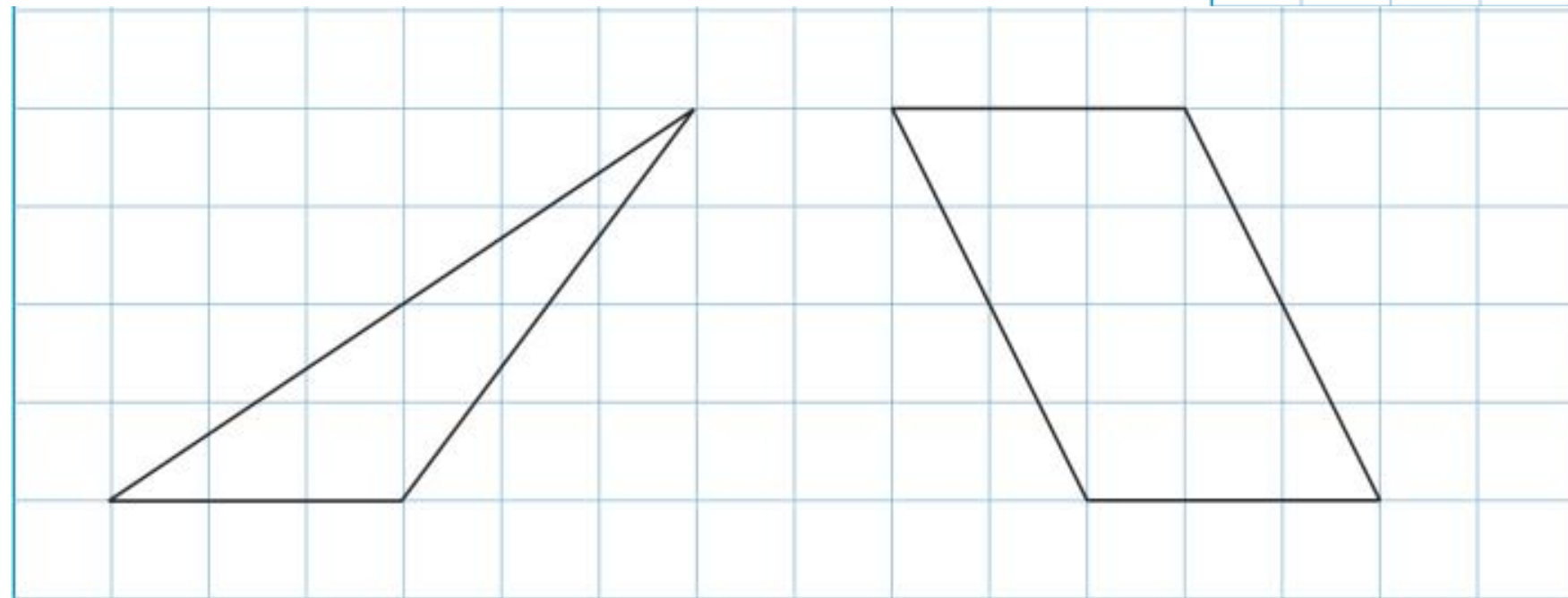
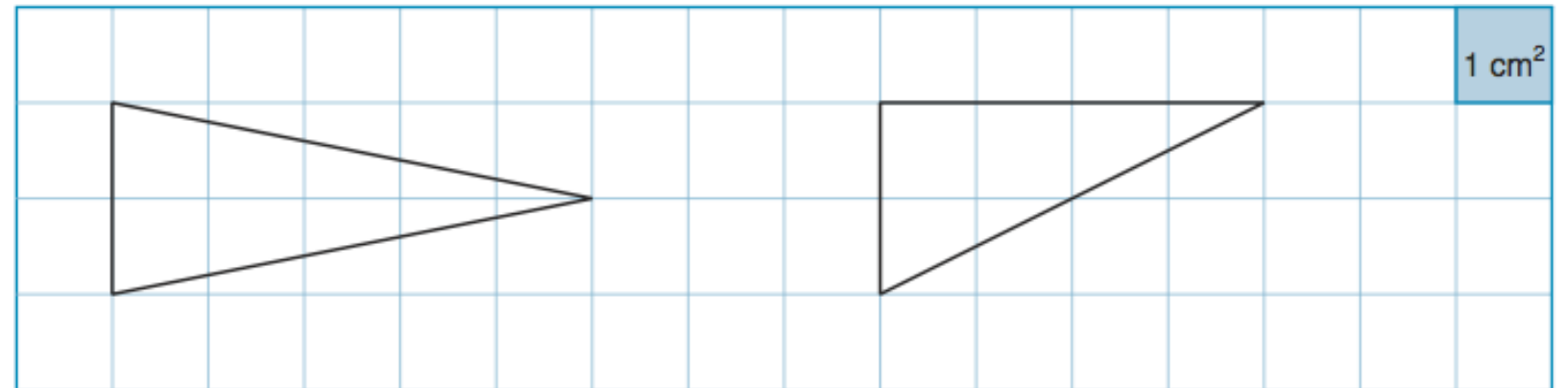


Area of rectangle = length of base * height: $A = b * h$
Area of parallelogram = length of base * height: $A = b * h$
Area of triangle = $\frac{1}{2} * \text{length of base} * \text{height}$: $A = \frac{1}{2} * b * h$

Draw a shape with an area of 8 cm²

Grade 5 Geometry Goal: Describe, compare, and classify plane and solid figures using appropriate geometric terms; identify congruent figures and describe their properties.

Unit 9: Identify the base and height of triangles and parallelograms.



Label the base and height of the four figures.

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Unit 9: Understand the concept of volume of a figure.

This Rubik's cube is made of centimeter cubes.

What is the area of the base of the toy?

_____ unit

What is the height of the toy?

_____ unit

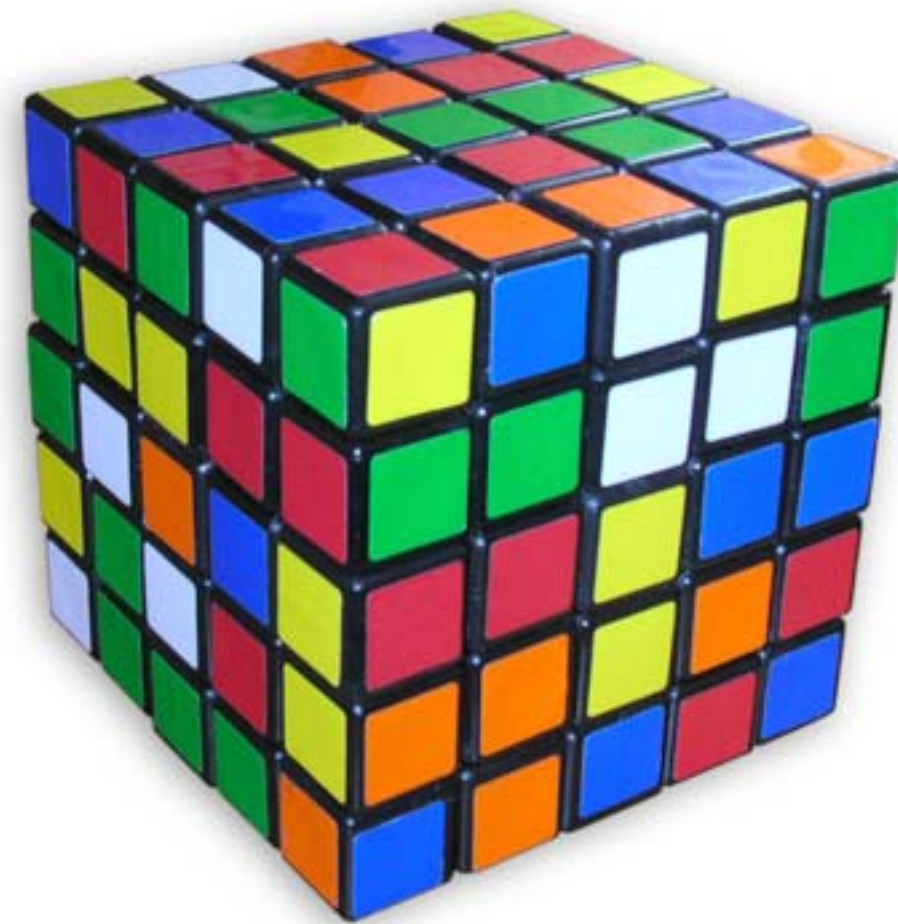
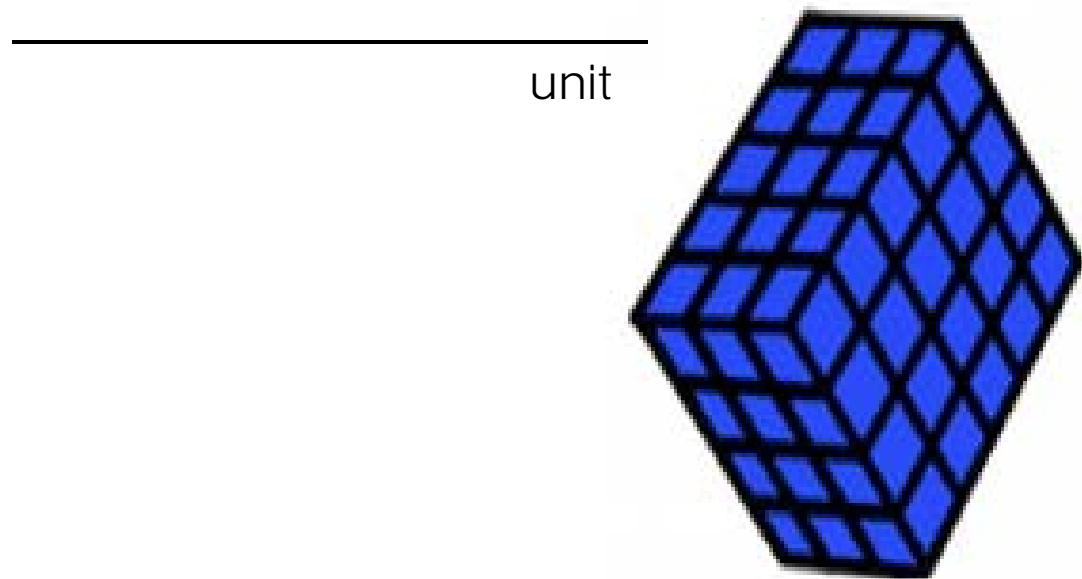


Grade 5 Measurement Goal: Describe and use strategies to find the perimeter of polygons and the area of circles; choose and use appropriate formulas to calculate the areas of rectangles, parallelograms, and triangles, and the volume of a prism; define pi as the ratio of a circle's circumference to its diameter.

Unit 9: Use a formula to find the volume of prisms.

The blue prism below is made of centimeter cubes.

What is the volume of this prism?



This Rubik's cube is made of centimeter cubes.

What is the volume of this toy? _____ unit