

# Geometry Proficiency Task #2

## Scale Drawing Project

### Option 1: Scale Drawing of Your Room

You need to make a scale drawing of any room in your home (bedroom, family room etc.). You can make either a detailed picture (top view). It needs to fit on a standard sheet of 8.5x11 paper.

You will be assessed on the following:

#### Mathematics of the Task:

- A rough sketch must be provided labeling the actual dimensions of the room as well as the actual dimensions of at least 5 objects in the room.
- \*\*\*The same scale factor must be used throughout the entire project.
- Objects need to be accurately measured. Measure to the nearest inch and then convert to feet. (For example, 5 ft 4 in = 5.33 feet).
- Use the conversion sheet provided to show how you converted from real-life measurements to scale drawing measurements. Make sure to label each conversion with appropriate units.

#### Scale Drawing:

- A scale drawing must be provided labeling the scaled dimensions of room as well as the scaled dimensions of at least 5 objects in the room.

#### Presentation and Reflection:

- All work needs to be organized, neat, and labeled.
- Provide in writing a reflection of your project. Include a description of your measurement and drawing process and any positive and negative aspects in completing the project.

# ROUGH SKETCH OF ROOM AND OBJECTS

# MY ROOM

SCALE FACTOR: \_\_\_\_\_ = \_\_\_\_\_

\*\* REMEMBER: 4 feet 3 inches = 4.25 feet (not 4.3 feet)

	Real life measurement	Conversions	Scale drawing measurement
ROOM NAME:			

Sketch your room with all the objects in the appropriate places.

Make sure to include the real life measurement of the entire room and the scale drawing measurement of the entire room.

# MY OBJECTS

SCALE FACTOR: \_\_\_\_\_ = \_\_\_\_\_

\*\* REMEMBER: 4 feet 3 inches = 4.25 feet (not 4.3 feet)

*measure to the nearest inch, convert to feet*

	Real life measurement	Conversions	Scale drawing measurement
OBJECT #1 NAME:			
OBJECT #2 NAME:			
OBJECT #3 NAME:			

<b>OBJECT #4 NAME:</b>					
<b>OBJECT #5 NAME:</b>					
<b>OBJECT #6 NAME:</b>					
<b>OBJECT #7 NAME:</b>					
<b>OBJECT #8 NAME:</b>					
<b>OBJECT #9 NAME:</b>					

**\*\* REMEMBER: 4 feet 3 inches = 4.25 feet (not 4.3 feet)**

# SCALE DRAWING OF ROOM AND OBJECTS

# REFLECTION