Name: _____

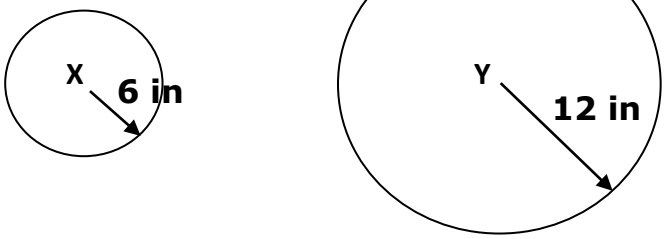
1. Emma is a limousine driver who often needs to read a map. The map she is currently looking at has a scale of 1 cm to 5 km. What is the scale ratio (pure scale factor without dimensions) of this map?

2. Kensington is a long-distance truck driver. The map he is currently looking at has a scale of 1 cm to 100 km. If the map shows a distance of 8.3cm what is the actual distance that Kensington will drive?

3. Shanu collects model toy cars, which are built using a 1:64 scale. One model of a convertible is 10.2 cm long, and 3.6 cm wide. How wide is the actual car to the nearest tenth of a metre?

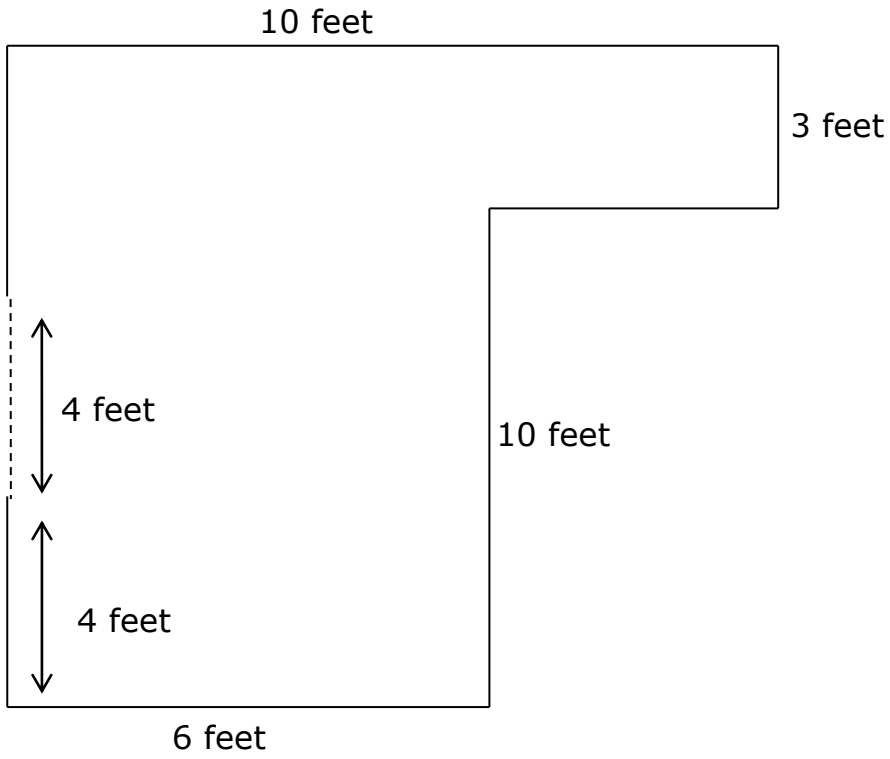
4. Franca, an architect in Toronto, is creating a scale drawing of a home. The scale she is using is 0.25 inches to 1 foot. The height, length and width of the drawing of the home are 6 in., 6.8 in., and 9.9 in. What is the length of the actual house?

5. The pair of diagrams below represents the top of the two cylindrical containers. The containers are similar shapes but the sizes are different. Determine the scale ratio that relates the **volume** of cylinder X to the **volume** of cylinder Y, in lowest terms.

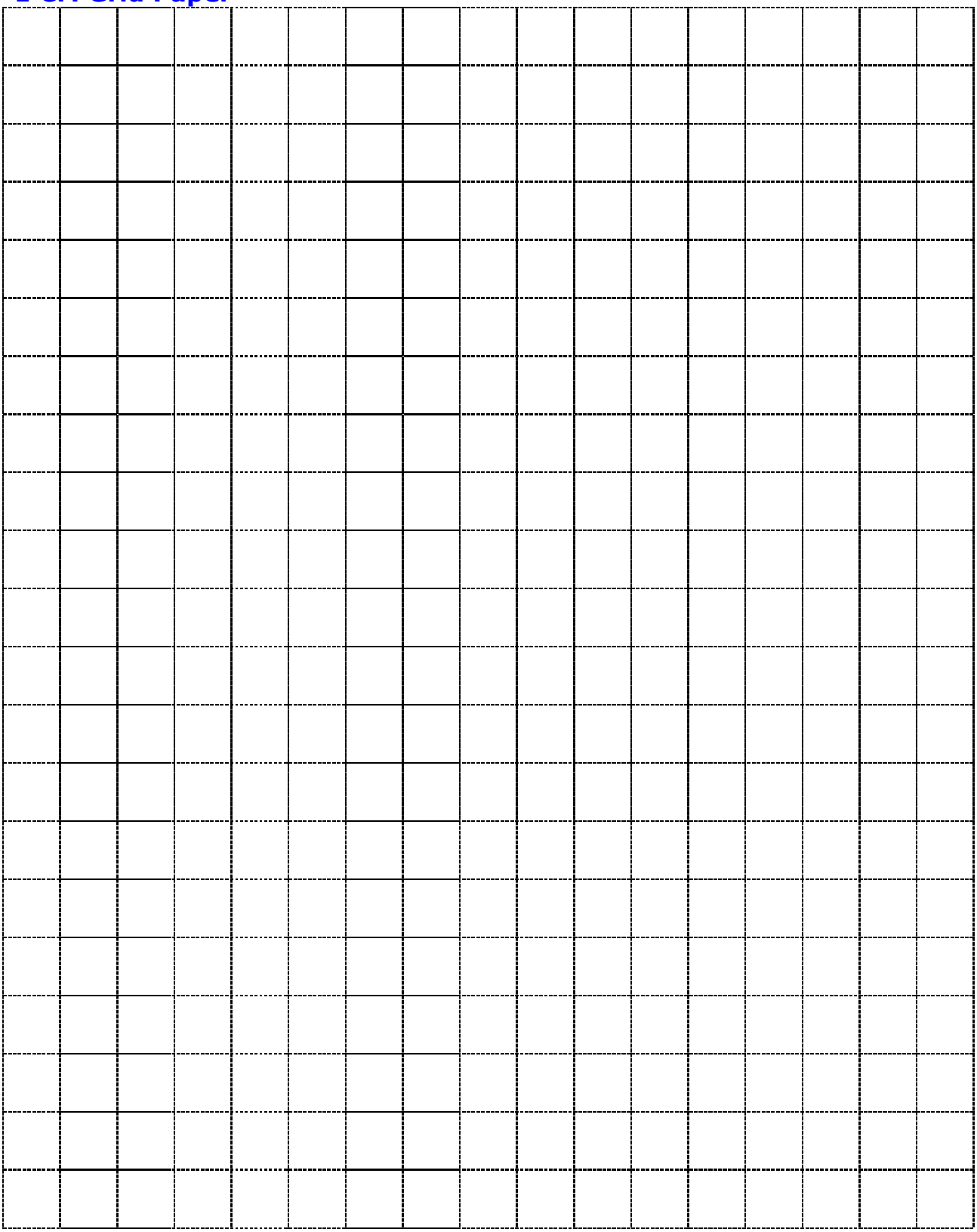


6. Lou is selling a freezer with the dimensions shown. Draw next to it a 1:30 scale diagram of the top view of the freezer.

7. Draw a nicely labelled scale diagram of this living room floor plan on 1 cm grid paper (attached), and state the scale.



1 CM Grid Paper



1 CM Grid Paper