10-1 Solve It!

Getting Ready!

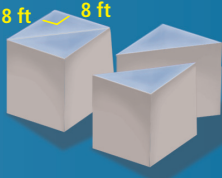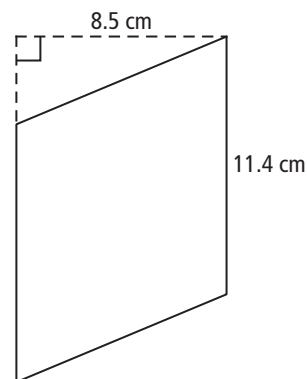A stage is being set up for a concert at the arena. The stage is made up of blocks with tops that are congruent right triangles. The tops of two of the blocks, when put together, make an 8 ft-by-8 ft square. The band has requested that the stage be arranged to form the shape of an arrow. Draw a diagram that shows how the stage could be laid out in the shape of an arrow with an area of at least 1000 ft² but no more than 1400 ft².
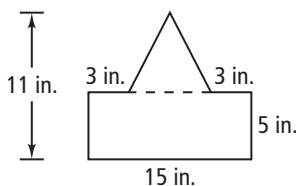
10-1 Lesson Quiz

1. What is the area of the parallelogram?

8.5 cm

11.4 cm

2. Do you UNDERSTAND? A triangular window pane is 4 feet 8 inches wide and 3 feet 6 inches high. What is the area of the window pane? Round to the nearest tenth square foot if necessary.
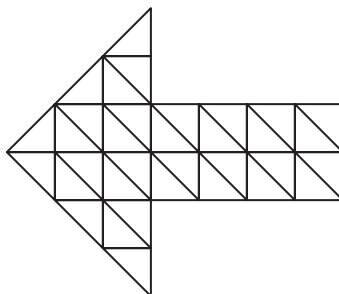
3. What is the area of the figure below?

11 in. 3 in. 3 in.

5 in.

15 in.

Answers

Solve It!
Answers may vary. Sample:

Lesson Quiz
1. 96.9 cm²
2. about 8.2 ft²
3. 102 in.²