

## Take Action!

A car manufacturer wants to display three of its compact models in a triangular arrangement on a rotating circular platform.

*Calculate a reasonable area for your platform, and explain your assumptions and reasoning.*

**What information is important to solving this problem?**

- dimensions of cars?
- areas of cars?
- area of a circle?
- what kind of triangular arrangement of 3 cars?
- research or get the measurements?

## Take Action! (Part 2)

The surface of your revolving platform will be sheeted with 3/4" plywood (rough finish on both sides is fine).

*i) How many 4' x 8' sheets do you require? Factor in about 10% waste due to cutting.*

*ii) How much will it cost to sheet the surface of the platform?*

**What information is important to solving this problem?**

## Take Action! (Part 3)

Your circular platform will be motorized to spin at a rate of 4 cm/s.

*How long will it take your platform to make one, full revolution?*

*-in seconds?    -in minutes?*

**What information is important to solving this problem?**

## Attachments

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Composite Shapes\_Landscape Architect Example.docx