



The Road to Proportional Reasoning: NAVIGATION GUIDE & PRINTABLE FORMS

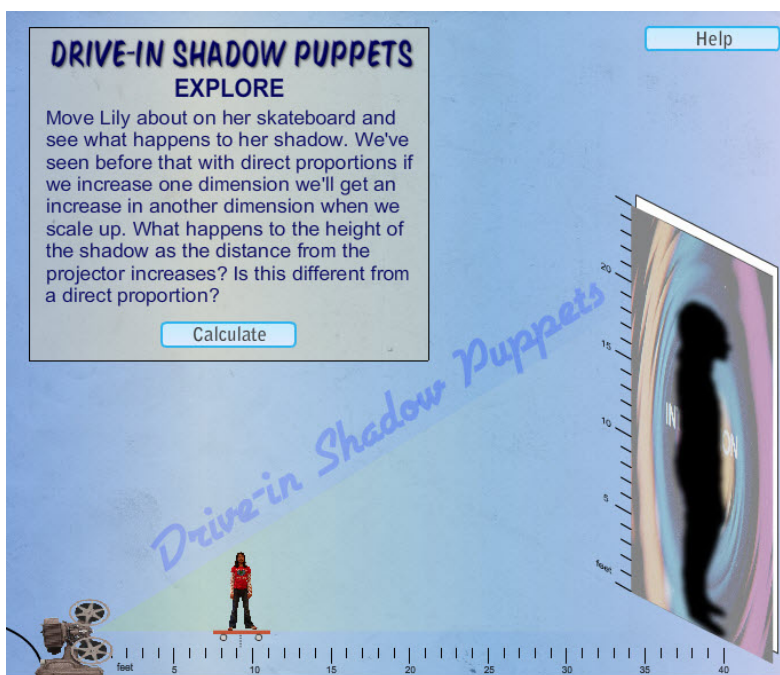
Sky-View Drive-In: Shadow Puppets

Welcome to “Drive-In Shadow Puppets.” This interactive opens to an image of a girl standing in front of a movie projector.

Move your cursor over the girl and drag the image to see her shadow change on the movie screen. The dotted line that appears when your cursor moves to the right close to the screen helps you measure shadows more accurately when you’re doing the interactive.

Click the “Calculate” button to move on to a graph and table.

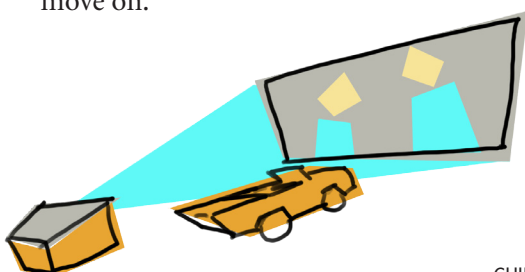
“Check Answers” will reveal whether your answers are correct (green) or incorrect (red). There is a small margin of error, since you might come up with slightly different answers. Record the data in the table to the nearest tenth of a foot and watch as your answers appear as points on the graph.



Text of Help Boxes for “Drive-In Shadow Puppets”

The help box provides interactive directions.

Help 1: When you move your cursor close to the screen, a tool will appear to help you line up the shadow with the measurement scale on the left of the screen. When you are finished exploring, click on “Calculate” to move on.



“Drive-In Shadow Puppets” Table

For varying distances from the projector (X), find the height of the shadow on the screen (Y) and fill in the table.

Y-Height of Shadow (ft)			
X-Distance from Projector (ft)	Lily (5 ft)	Kelli (6 ft)	Jax (3 ft)
10			
15			
20			
30			

