

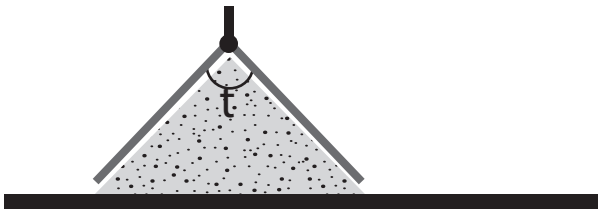
Angle of Repose - In Class Activity

Name _____ Name _____

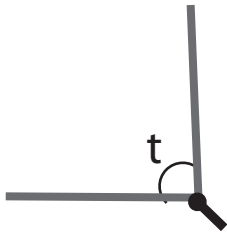
Name _____ Name _____



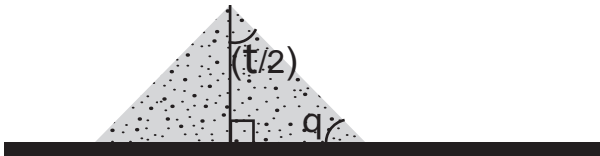
1. Slowly pour the sand onto the tray, keeping the pour spout steady in one place.



2. Use the compass to span the angle at the top of the pile of sand (Angle t).



3. Use the protractor to measure the angle between the legs of the compass (Angle t).



4. Determine the angle of repose (Angle q) for the sand by using the following equation:

$$\text{Angle of Repose } (q) = 90 - (t/2) = \underline{\hspace{2cm}}^{\circ}$$