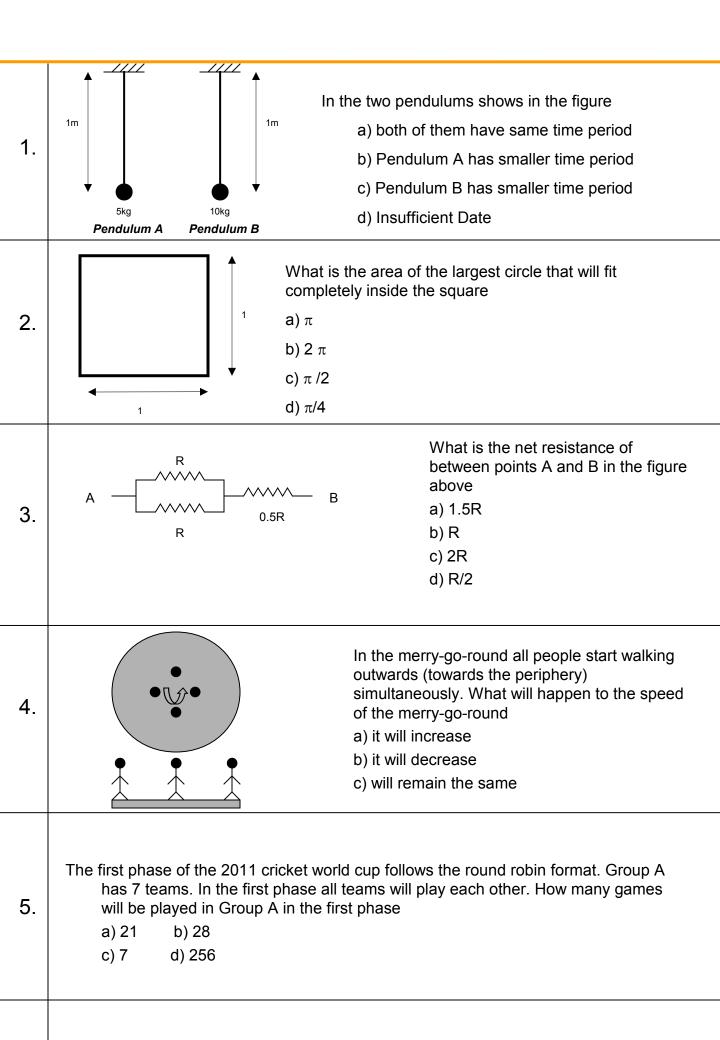
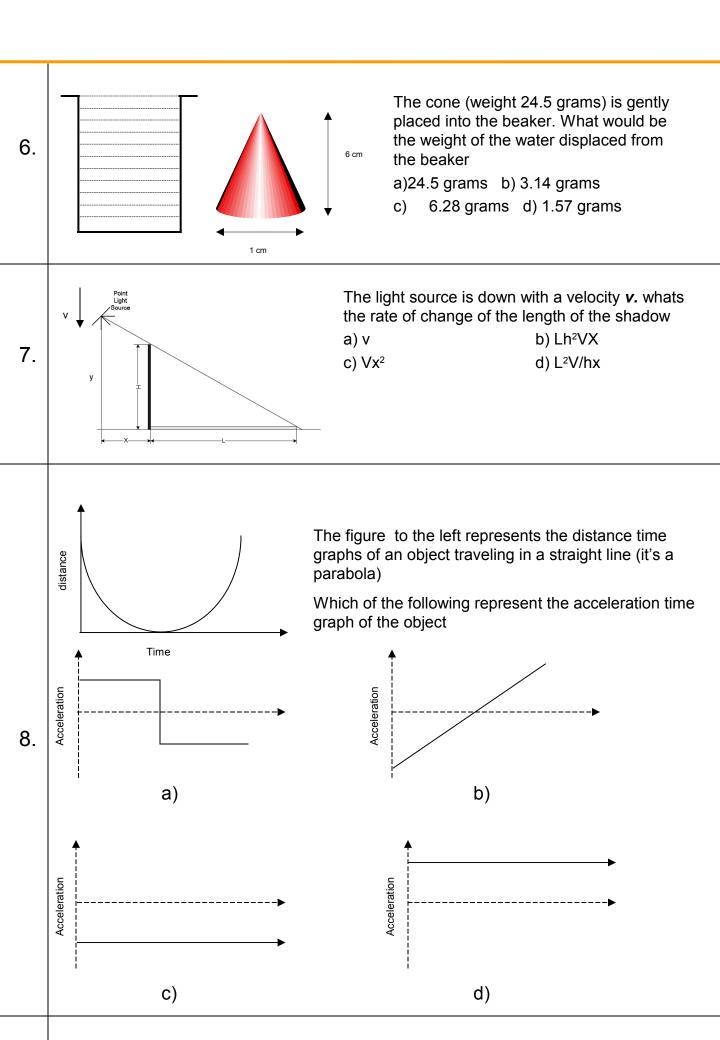
Quiz

Set 1

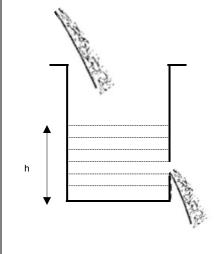




10.

A car travels up a hill at 10kmh. It them travels down the same hill at 40kmh. What is the average speed of the car?

- a. 45 kmh
- b. 16 kmh
- c. 40 kmh
- d. 37.5 kmh



Water is flowing into the beaker at 48 liters per minute which has an initial water level at 15 cm. The rate at which water leaks is proportional to the height of the water *h* (*in cm*) and is equal to  $3h^2$  liters per minute. At what height will the water in the beaker stabilize

a) 5 cm

- b) beaker will empty
- c) beaker will overflow
- d) 4 cm