

Name _____ Date _____

1 Look at the photos and write the effects of the forces.

changes the shape – makes the object break – makes the object start/stop moving







2 Choose the correct option.

An object at rest will not move unless a _____ acts upon it. In contrast, when an object is in motion it will continue to move until a force makes it _____ or _____.

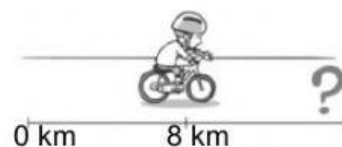
3 Calculate the speed. Answer the questions.

a. How many km will he travel in one hour?

b. At what speed is he travelling?

- | | |
|----------------------------------|----------------------------------|
| ☐ 8 km/h | ☐ 4 km/h |
| ☐ 16 km/h | ☐ 32 km/h |

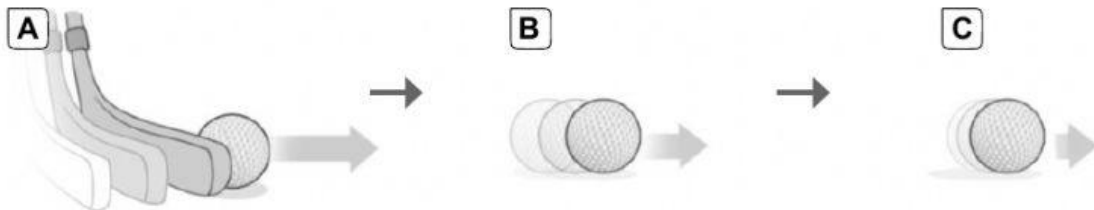
Sam cycles 8 km
in 30 minutes.



4 Read the sentences and tick (X) the correct boxes.

	friction	gravity
It is a contact force.		
It pulls objects downwards.		
It causes the Moon to orbit the Earth.		
It slows down moving objects.		
It acts from a distance.		
It attracts all objects towards the centre of the Earth.		
It happens when two objects rub against each other.		

5 Look at the pictures and answer the questions.



a. In picture A, what makes the ball start moving?

b. What do the arrows represent?

c. Why do the arrows get smaller in each picture?

6 Read and write **T** (true) or **F** (false).

- a. Speed tells us how fast something moves.
- b. Gravity only affects objects moving downwards.
- c. Friction makes objects slow down.
- d. Gravity decreases the speed of a falling object.

☐

☐

☐

☐