

3-The distance traveled in an amount of time is called

a-Motion

b- Speed

4- Describes when a moving object speeds up.

a-Acceleration

b- Velocity

5-What causes heat when rubbing your hands together?

a-Gravity

b- Friction

6- If you drop a rock in a lake, the rock will slow down because the water exerts....

A- Gravity

b- Less resistance

c- Drag forces

d- Velocity

7- A boy pushes on a box and moves it a way. This is an example of....

a- Balanced forces

b- Unbalanced forces

b- Potential energy

d-Chemical energy

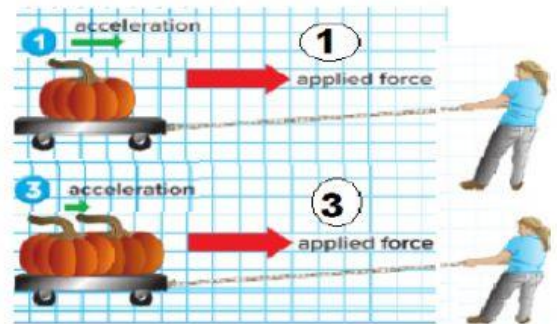
8- Look to picture choose correct answer to solve:

a- Acceleration in 3 greater than acceleration in 1

b- Acceleration in 3 double than acceleration in 1

c- Acceleration in 3 half than acceleration in 3

d- Acceleration in 1 equal acceleration in 3



9- How does friction affect a moving object?

a-Speeds it up

b- Slows it down

c- Has no effect

d-Pulls it downwards

Q4: Choose correct answer of total forces for each picture:

Sum Forces (same direction) = $F_1 + F_2$

Sum Forces (different direction) = big F_1 - small F_2



Total forces = **Unbalance Force**

A- $400 - 200 = 200 \text{ N}$

B- $400 + 200 = 600 \text{ N}$



Total forces = **Balance Force**

A- $80 - 80 = 0 \text{ N}$

B- $80 + 40 + 80 = 200 \text{ N}$



Total forces = **Balance Force**

A- $200 - 200 = 0 \text{ N}$

B- $200 + 200 = 400 \text{ N}$