

ANSWERS FOR ACTIVITIES ON Pg 6, 7, 10.

Page 6.

1. Friction helps a P7 pupil to write on a paper.
- 2a) - Sharpening blunt tools  
- Splitting firewood.
- b) Stopping the motorcycle when brakes are applied.
3. Friction/ Frictional force.
4. - Sharpening metallic tools; Polishing shoes.  
- Lighting a match stick; Grinding cereals.
5. - Friction helps in writing.  
- Friction helps in sharpening metals.
6. Friction/ Frictional force.
- 7a) The pen did not write on a paper.  
b) There was reduced friction between the paper and pen.
8. - Friction causes unnecessary heat.  
- Friction causes/produces unnecessary noise.

1. A machine is a device which makes work easier.
2. i) Newtons ii) metres iii) Joules iv) Newtons.
- 3a) Force is a pull or push on an object.  
b) Work is the product of force and distance moved in the direction of force.
4.  $Wd = F \times D$   
 $= 200N \times 8m$   
 $= (200 \times 8) Nm$   
 $= 1600J$
5. - By increasing the speed of doing work.  
- By changing the direction of force.

page 7.

1. Levers, Inclined planes (slopes), Wedges, Pulleys, Wheel & axles.
2. A lever is a rigid rod which turns freely at a fixed point.
3. Pivot (fulcrum), Load, Effort.
4. - First class levers.  
- Second class levers.  
- Third class levers.

Page 10.

 Sinceve gratitude to whoever is answering this activity. Be blessed and pray hard to God to keep you safe and secure. God bless you.