



Name : _____

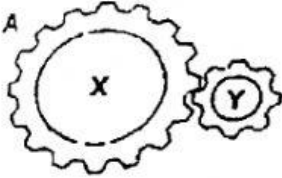
Year : _____

Objectives :

- ✓ State the function of gear
- ✓ Give 3 examples of object that uses gear

Answer all the questions.

1. a) Look at Gear A



If gear X turns anticlockwise, gear Y will turn _____

- (b) Study the gear system shown in Figure 1 below.

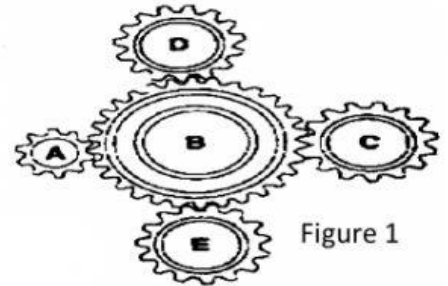


Figure 1

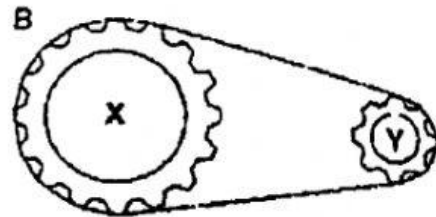
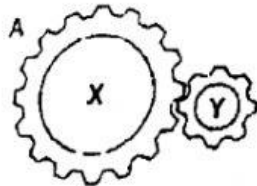
- (c) If gear B turn clockwise direction, Gear A, C, D and E will turn _____ direction.

- (d) if gear B makes one complete turn, gear [____A, ____C, ____D, ____E] will **make 3 turn**.

- (e) Gear A has 10 teeth while Gear B has 30 teeth. How many rounds would Gear B turn if Gear A rotates 6 rounds?

Gear B will turn _____ rounds.

- (f) Picture below shows two gear system. Compare the direction of movement of X in these two systems.



i. System A : _____ direction

ii. System B : _____ direction

4. How can this simple machine helps us?

[1]

Think time!!

List three examples of machines that use gears to operate

1. _____ 2. _____
3. _____