

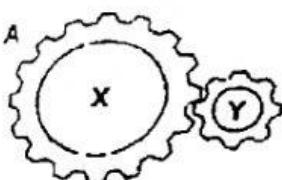


**Objectives :**

- ✓ 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.

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

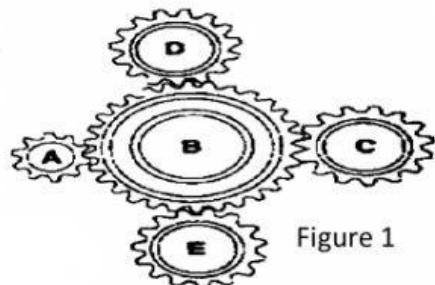


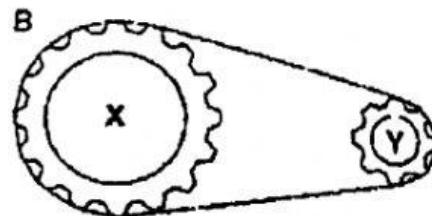
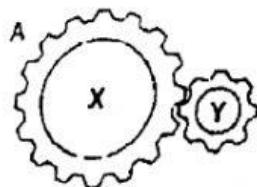
Figure 1

(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.



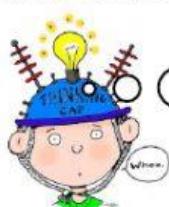
i. System A : \_\_\_\_\_ direction

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. \_\_\_\_\_