

6. Study the gear system shown in Figure 5 below.

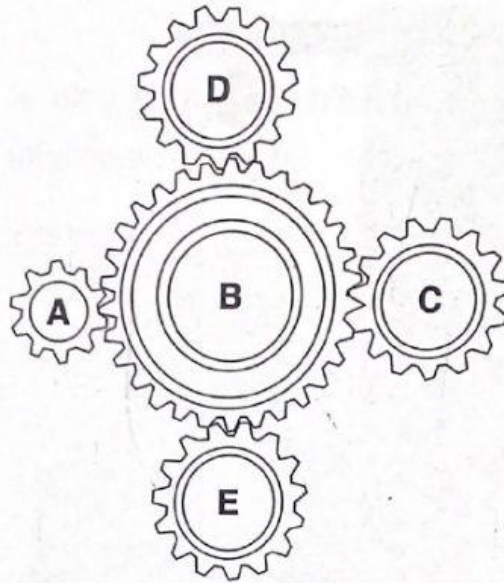


Figure 5

- (a) If gear **B** turns clockwise, in which direction will gears **A**, **C**, **D** and **E** turn?

[1 mark]

- (b) Which gear will make 3 turns if gear **B** makes one complete turn?

[1 mark]

- (c) Give **one** example of a machine that uses gears.

[1 mark]

(d) Figure 6 illustrates how the pulley system is used.

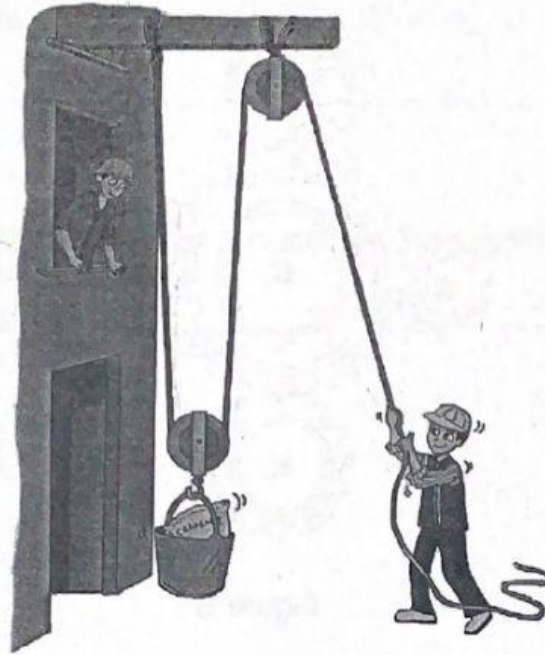


Figure 6

(i) How does using a two-pulley system help to make our work easier?

[1 mark]

(ii) Some curtains in homes use a pulley system.

Why do you think pulleys are used on curtains?

[1 mark]