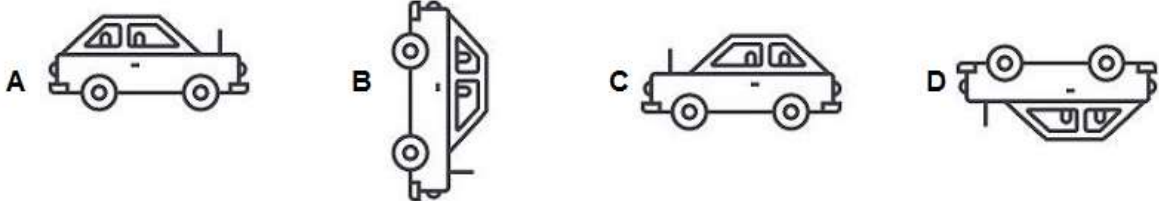
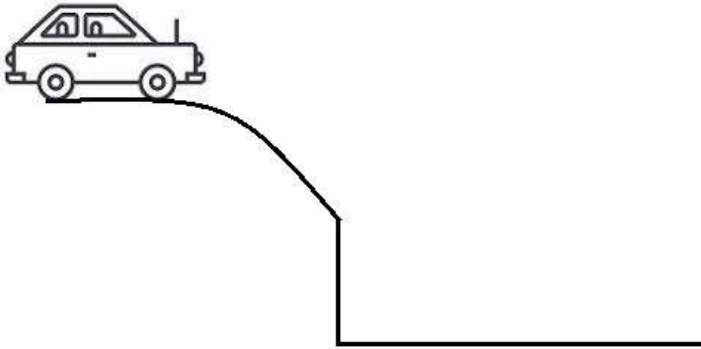
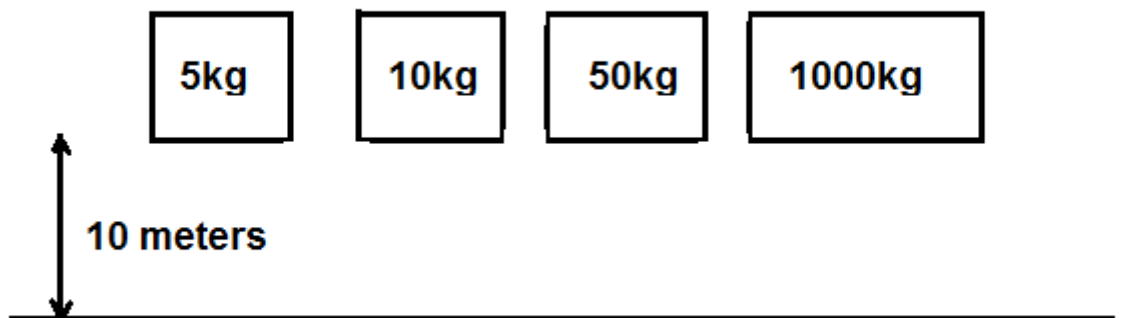


Mechanical Reasoning practice questions

1. A front engine car gently rolls down this slope. In what position will the car end up in?

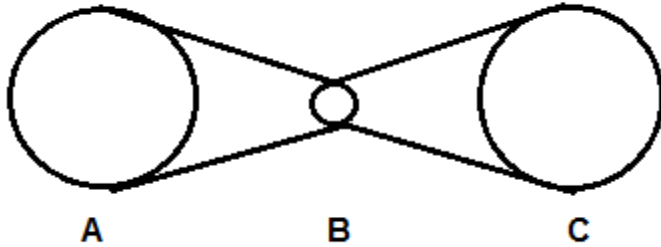


2. Four weights are dropped from a height of 10 meters at the same time, which one will hit the ground last?



- A) 5kg
- B) 10kg
- C) 50kg
- D) 1000kg
- E) They will hit the ground at the same time

Cogs A, B and C are linked together by 2 separate belts.
Cog B is half the size of cog A and cog C



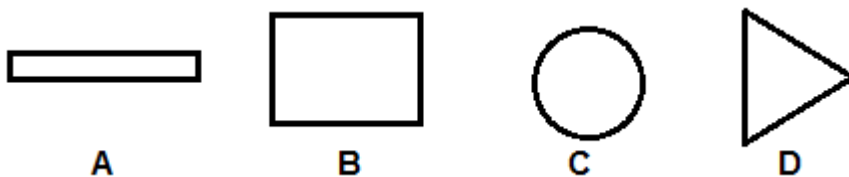
3. If we turn cog A one complete revolution cog B will

- A) Turn one complete revolution
- B) Turn $1/2$ a revolution
- C) Turn two complete revolutions.

4. Looking at the same diagram, if cog A turns clockwise what direction will cog C turn.

- A) Clockwise
- B) Anticlockwise
- C) It will not turn at all

5. If these 4 objects are fired horizontally from a cannon, which will fly furthest?



Answers for mechanical

1. D
2. E
3. C
4. A
5. C