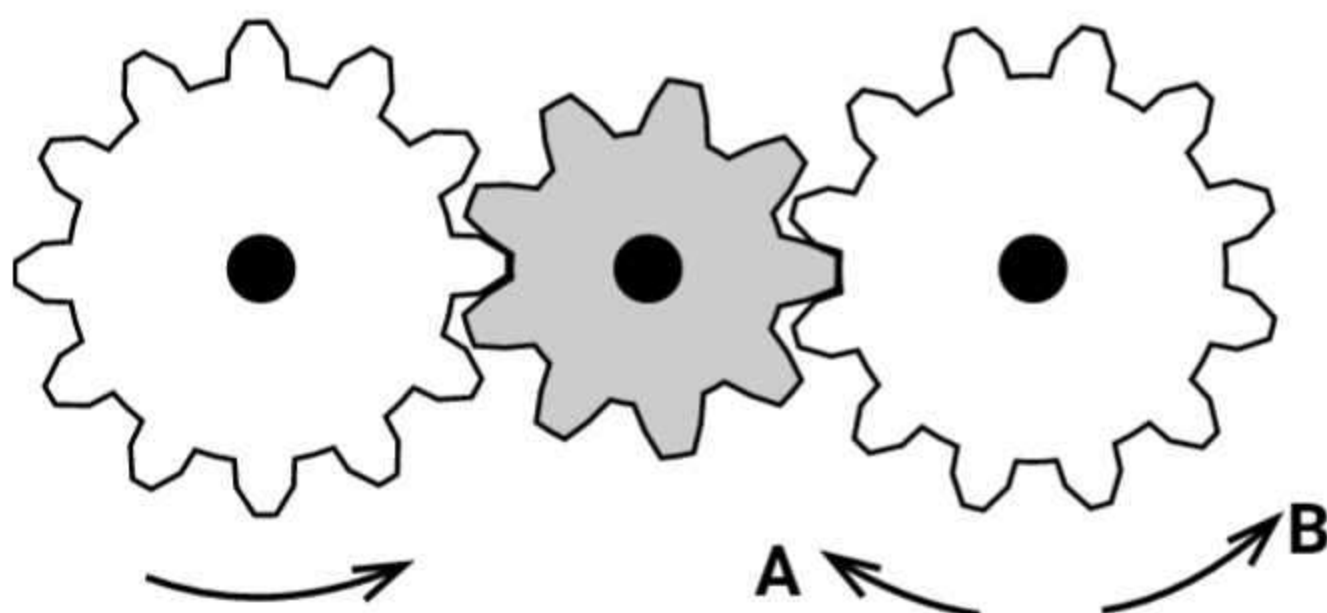


1/70 If the left gear rotates in the direction indicated by the arrow, in which direction will the right gear rotate?



In the direction of arrow A

In the direction of arrow B

Don't know

2/70 Which track should move faster for the tractor to turn in the direction of the arrow?

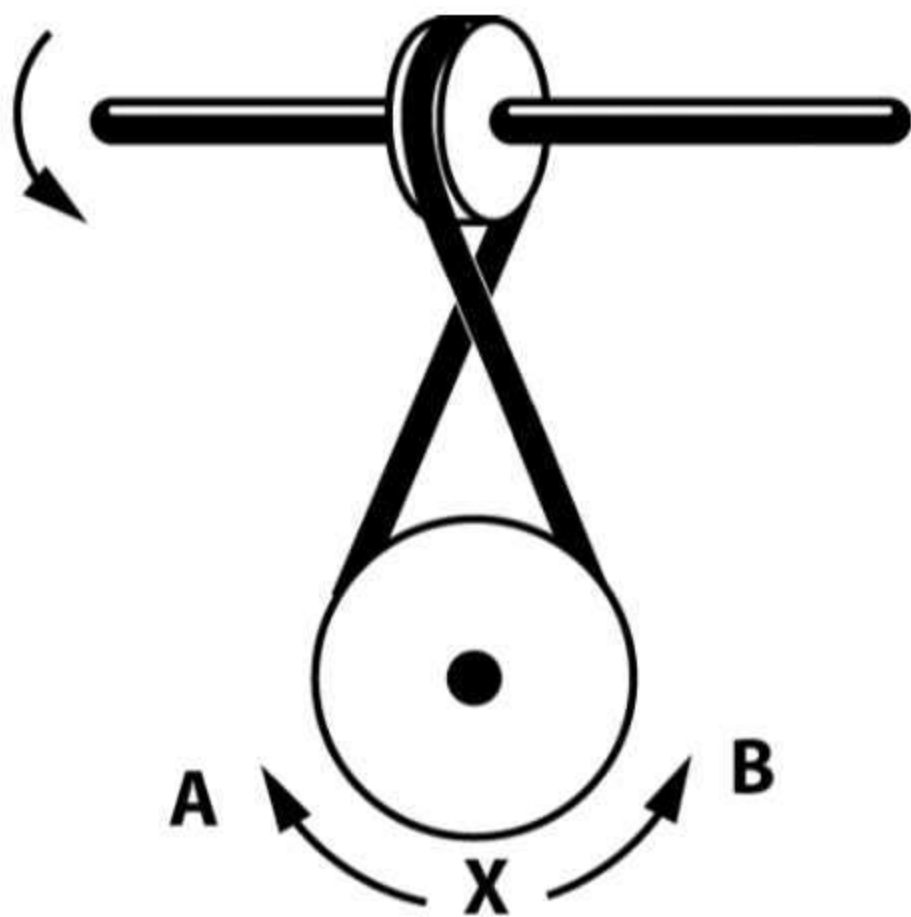


Track A

Track B

Don't know

3/70 If the upper wheel rotates in the direction indicated by the arrow, in which direction will the lower one rotate?

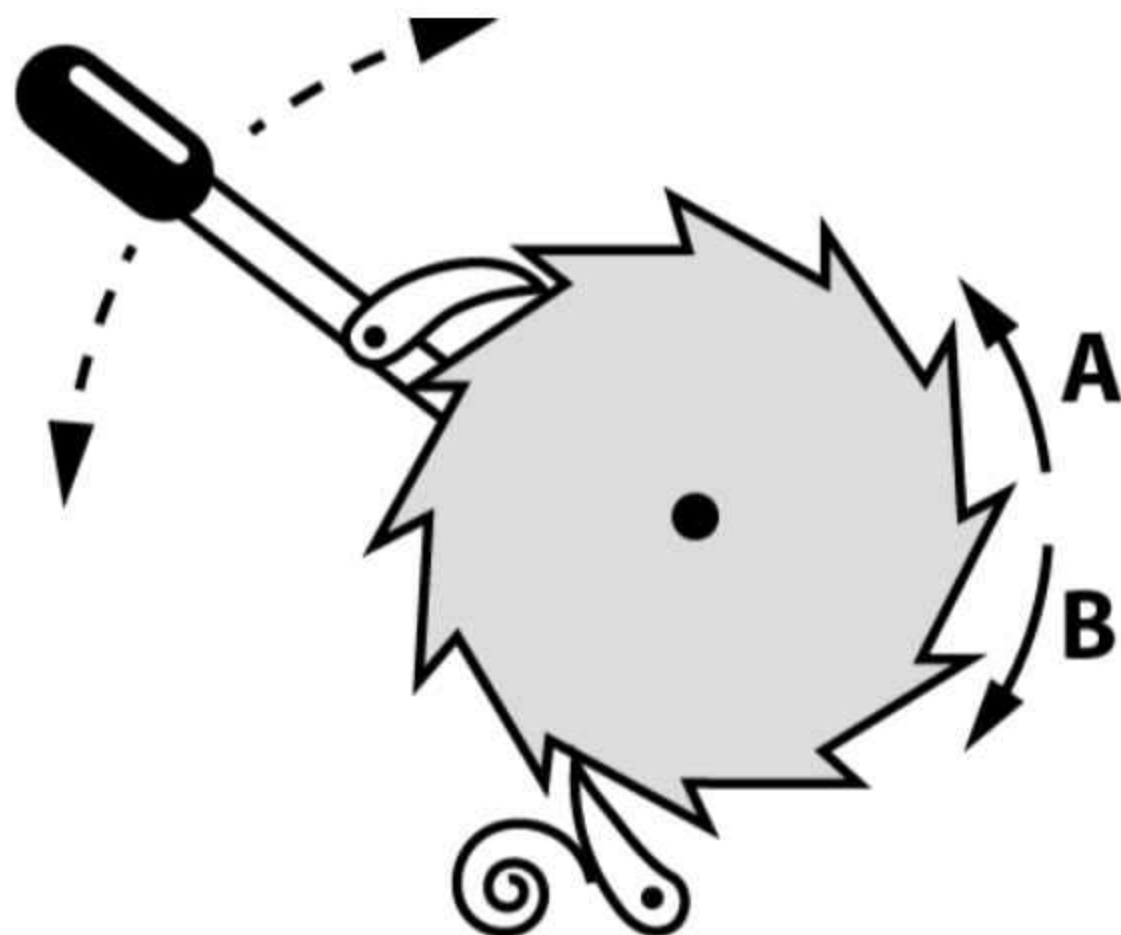


In direction A

In both directions

In direction B

4/70 In which direction will the gear move if the handle on the left is moved up and down as shown by the dashed arrows?

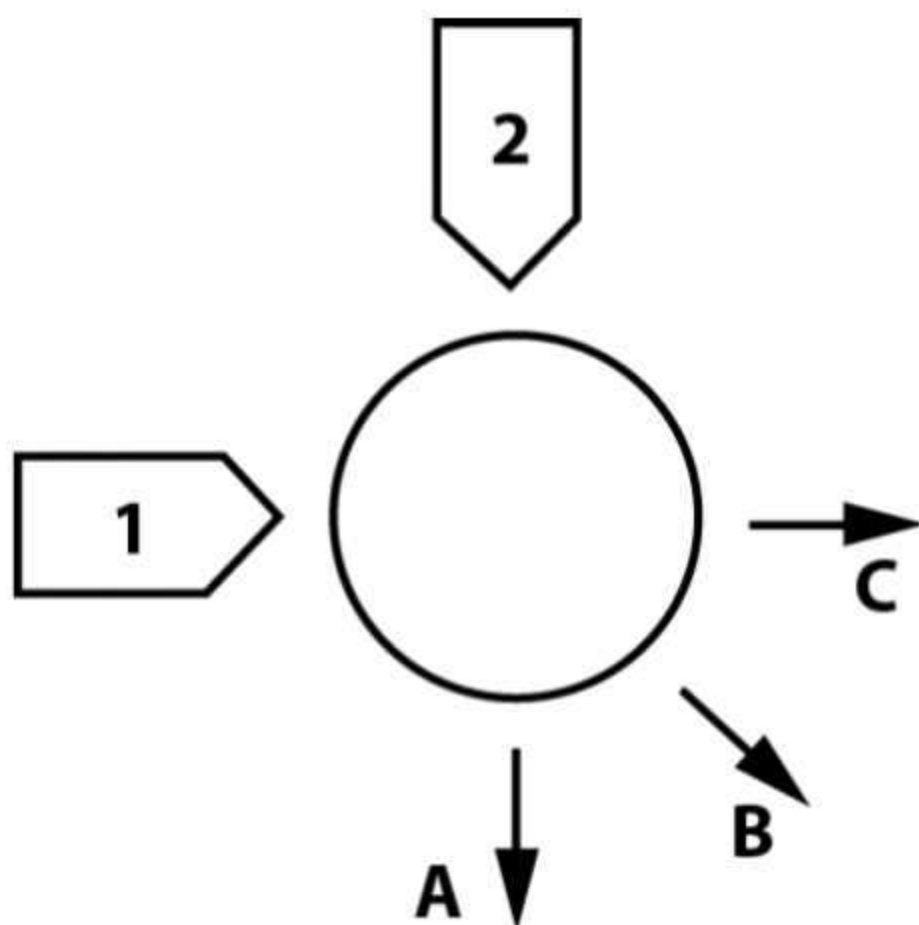


Back and forth according to arrows A-B

In the direction of arrow A

In the direction of arrow B

5/70 If the round disk in the figure is exposed to two equal forces 1 and 2, in which direction will the disc move?



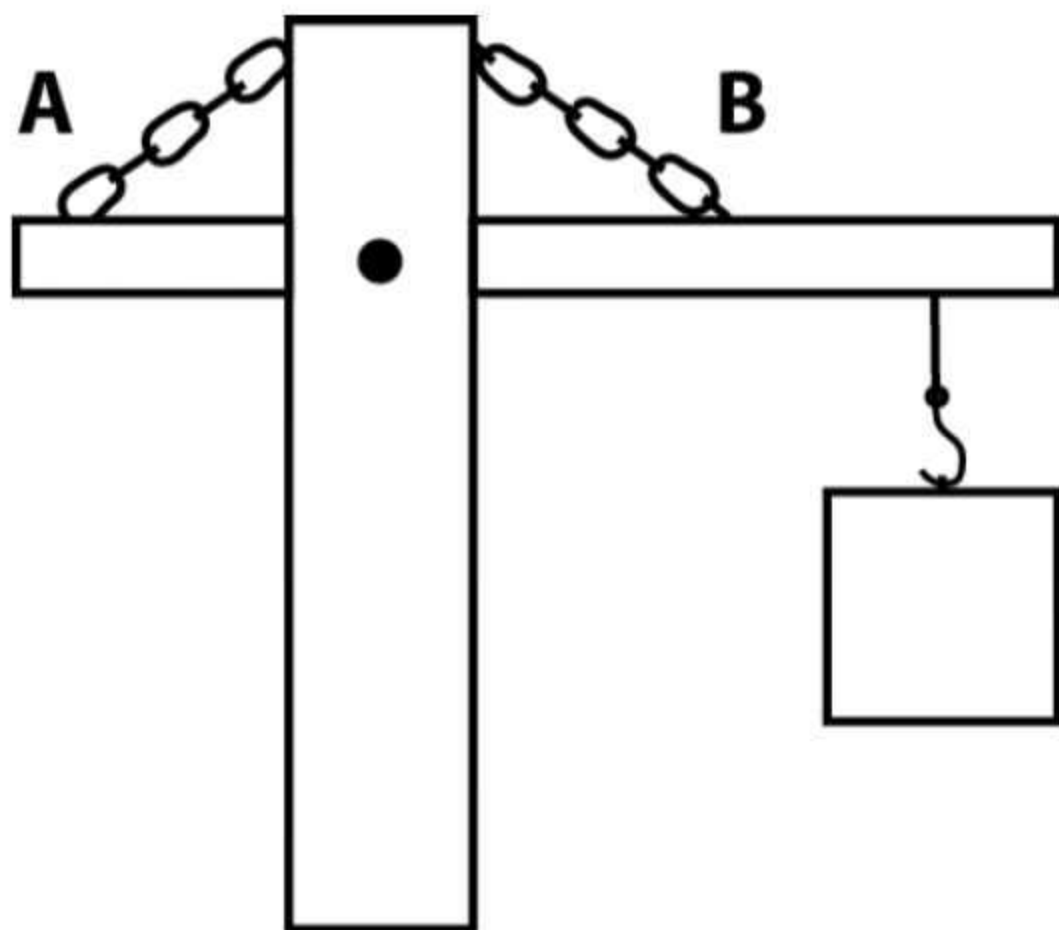
In the direction of arrow A

In the direction of arrow B

In the direction of arrow C



6/70 Are both chains required to support the load, or is just one chain enough? Which one?

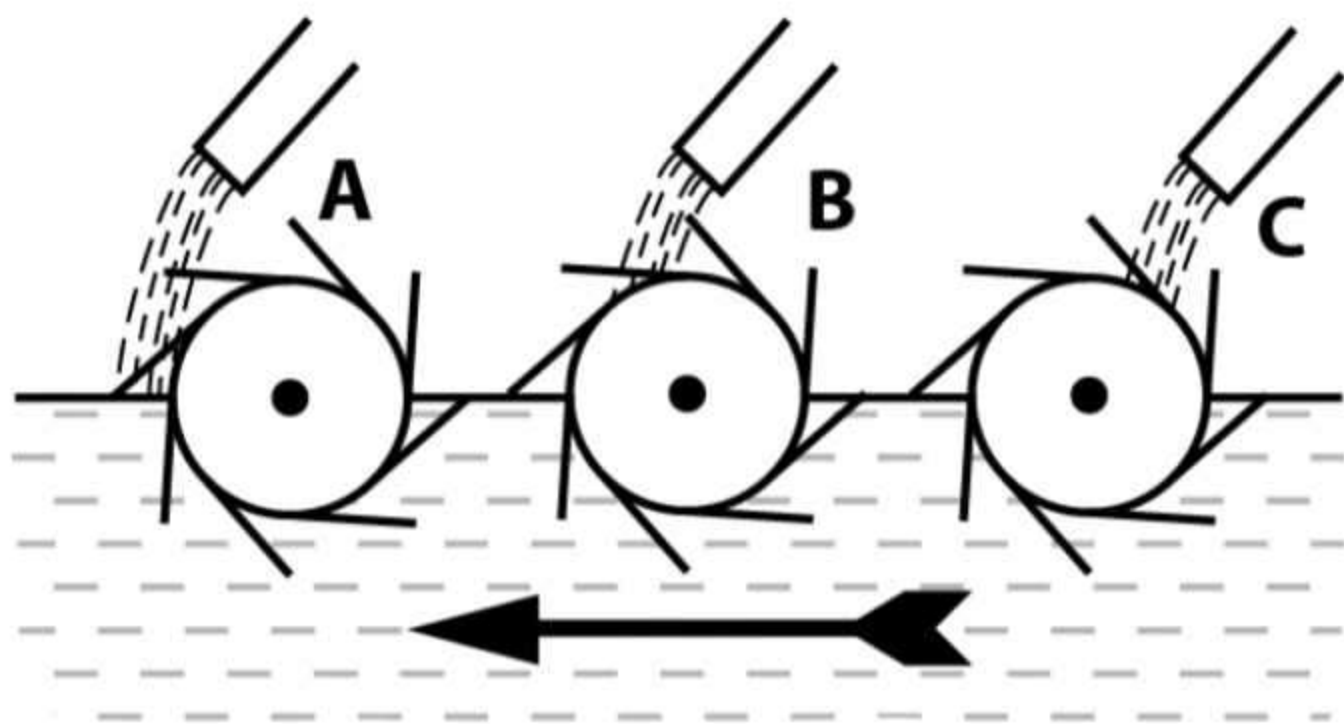


Chain A is sufficient

Chain B is sufficient

Both chains are required

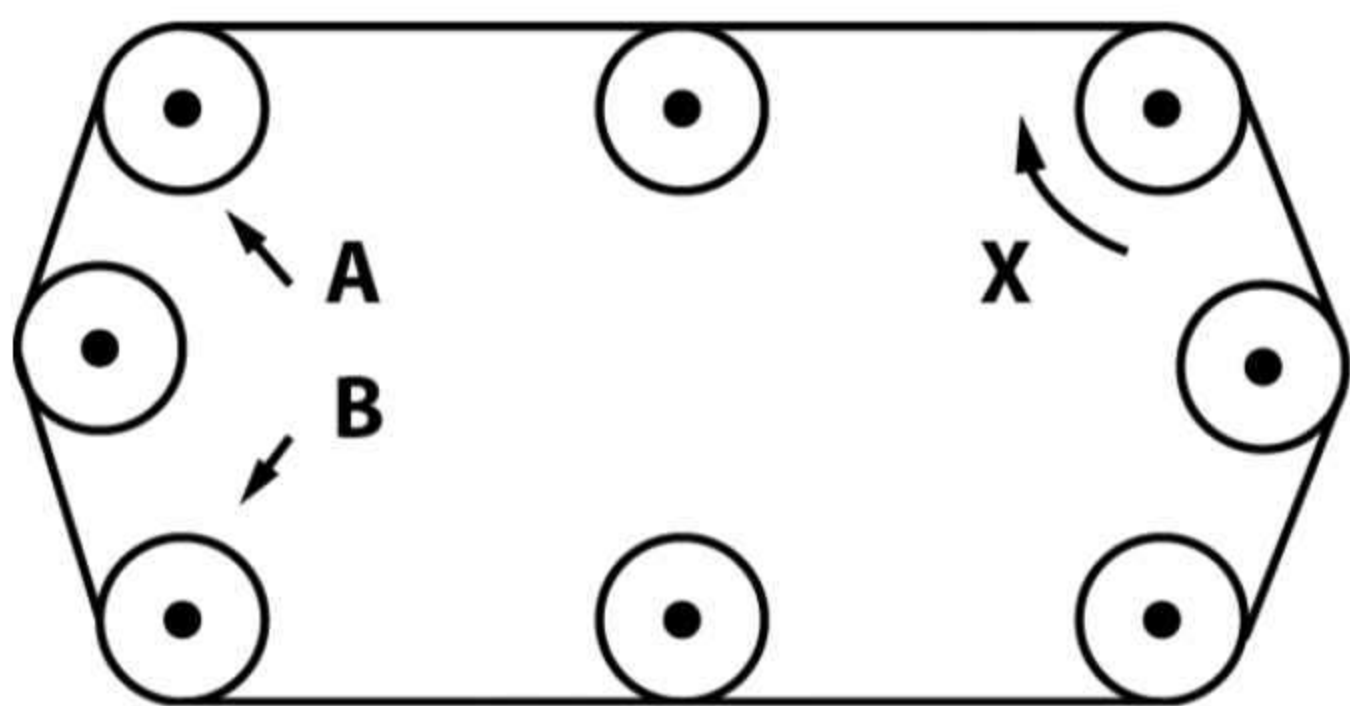
7/70 Three turbines are installed in the river with the flow direction shown by the arrow. Water falls down from the pipes above them. Which turbine will spin faster than the others?



Turbine A

Turbine B

Turbine C



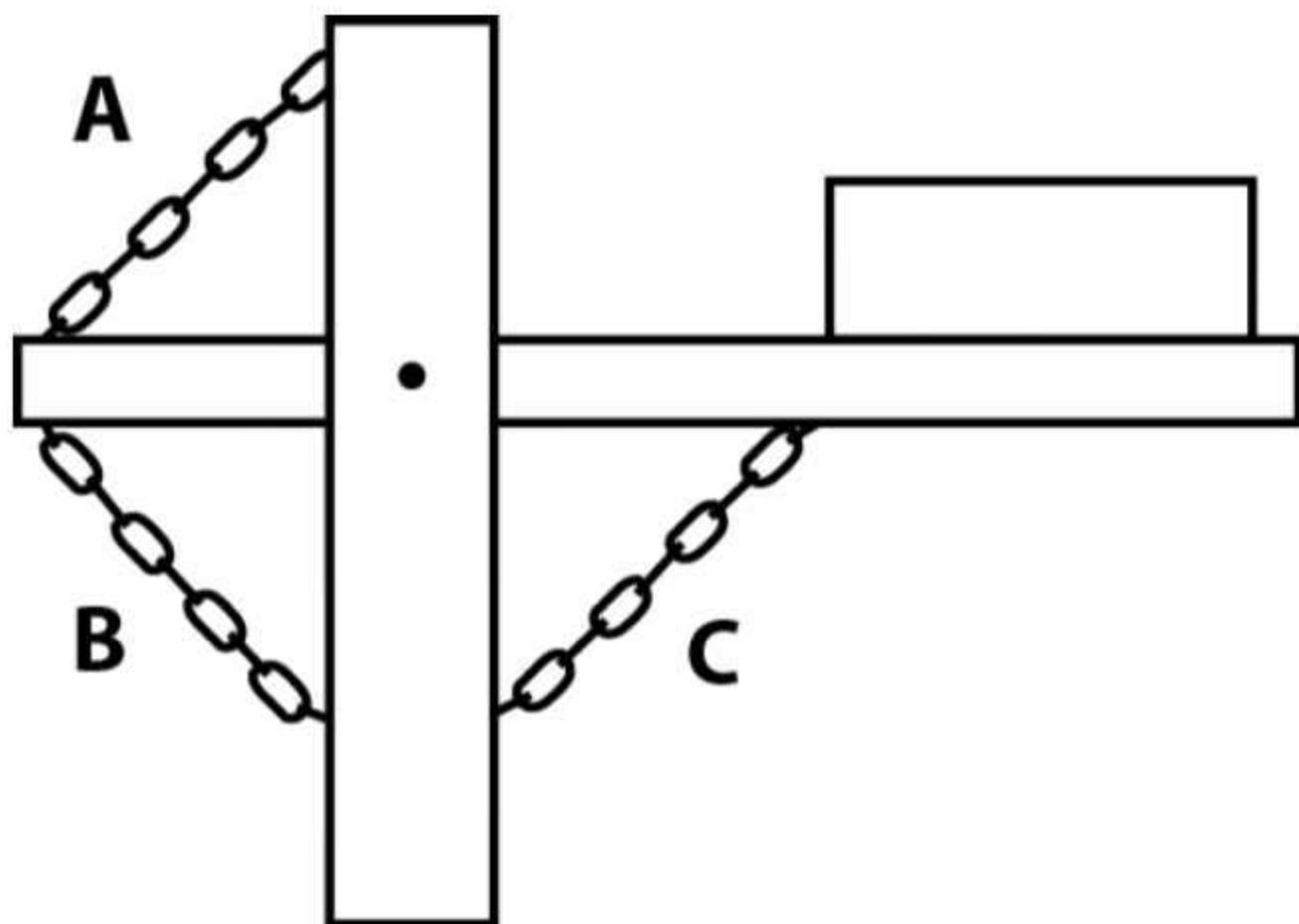
Wheel A

Wheel B

Both wheels



9/70 Which chain is required to support the load?

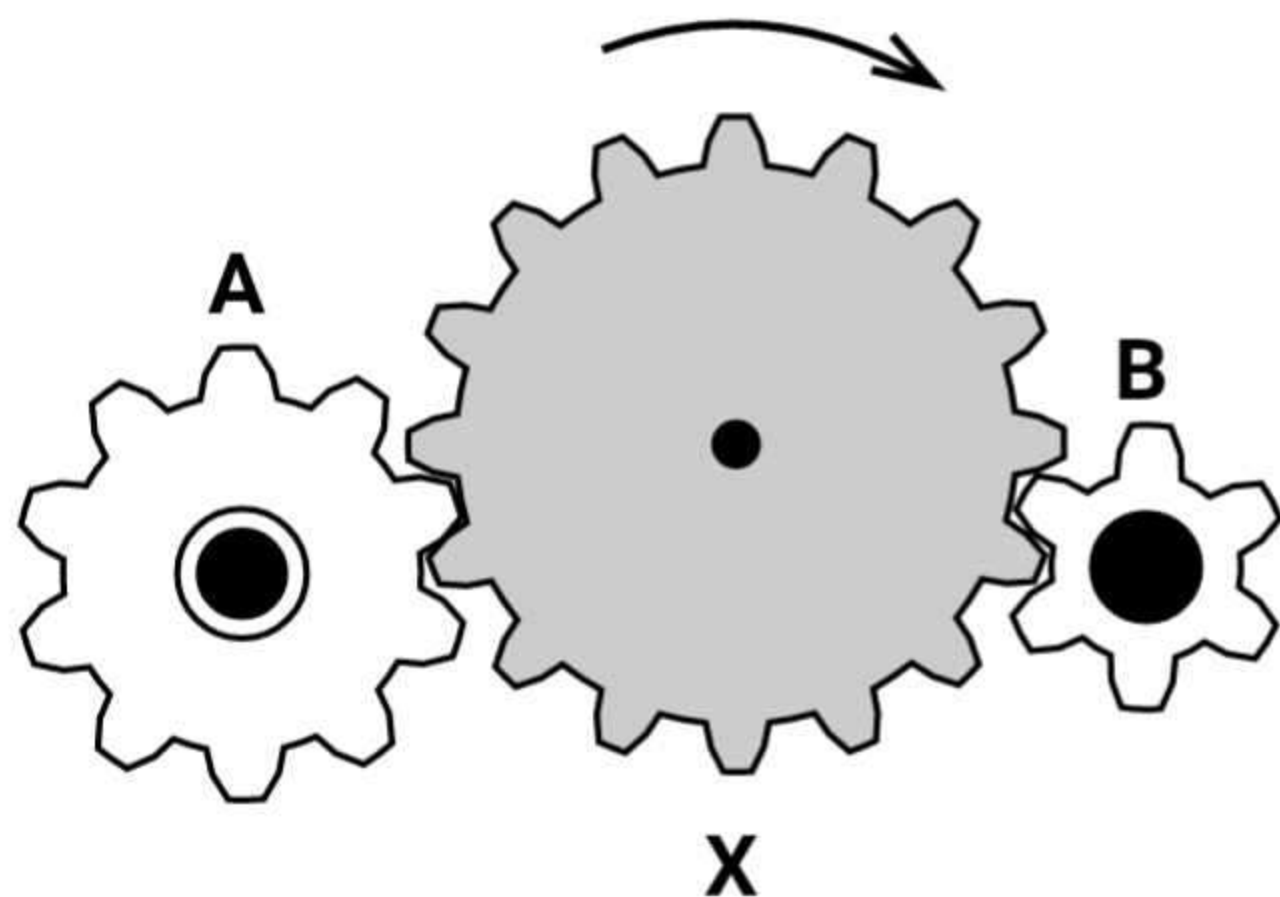


Chain A

Chain B

Chain C

10/70 Which gear rotates in the same direction as drive gear X?

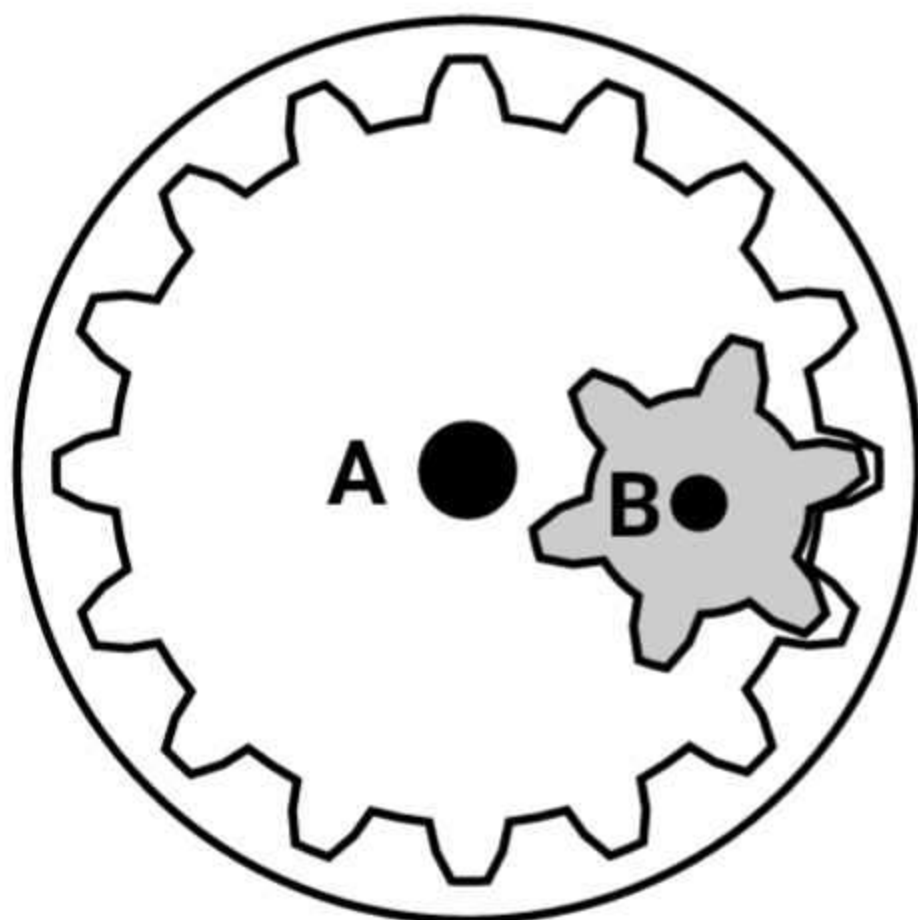


Gear A

Gear B

None

11/70 Which axis, A or B, rotates faster or do both axes rotate at the same speed?

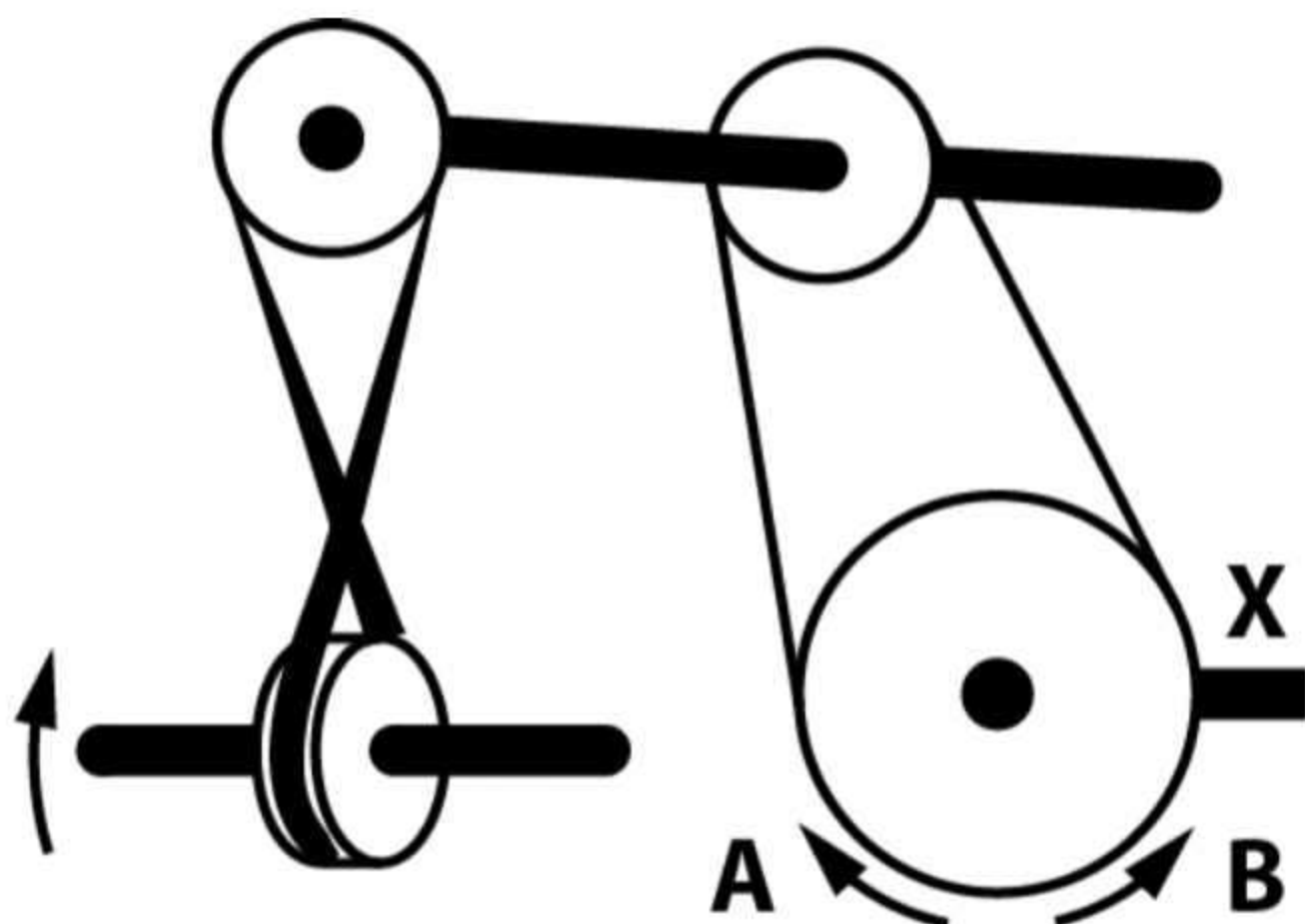


Axis A rotates faster

Axis B rotates faster

At the same speed

12/70 If the lower wheel rotates in the direction indicated by the arrow, in which direction will axis X rotate?

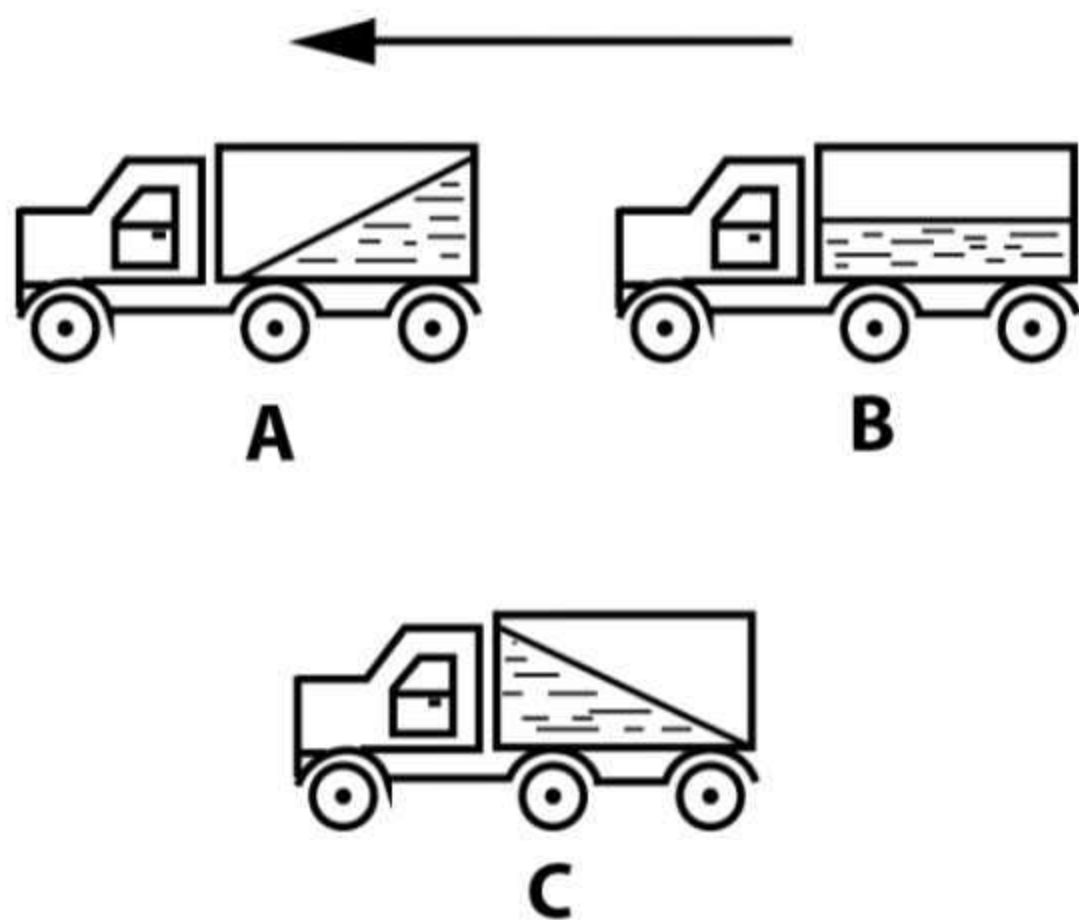


In the direction of arrow A

In the direction of arrow B

In both ways

13/70 Which car with liquid in the barrel is depicted at the time of braking?



Car A

Car B

Car C



14/70 In which direction will the propeller adapted for watering rotate if it's set in motion with water pressure?

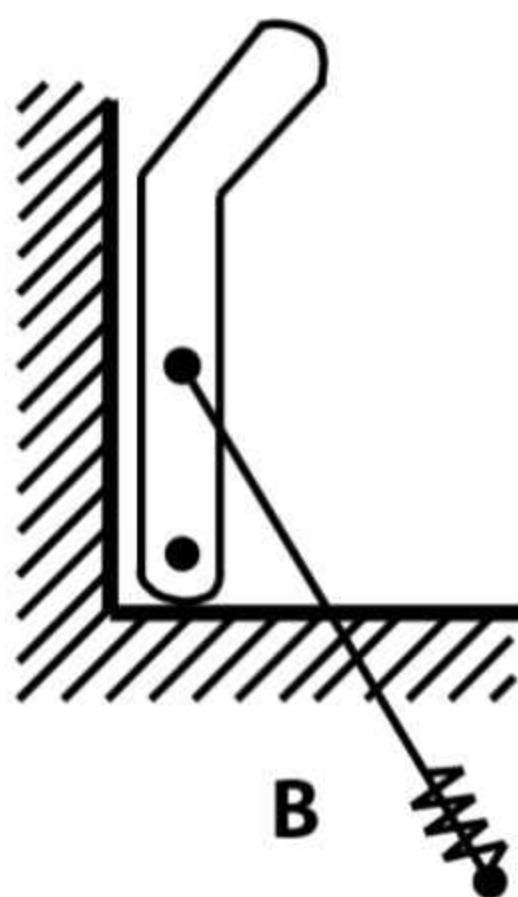
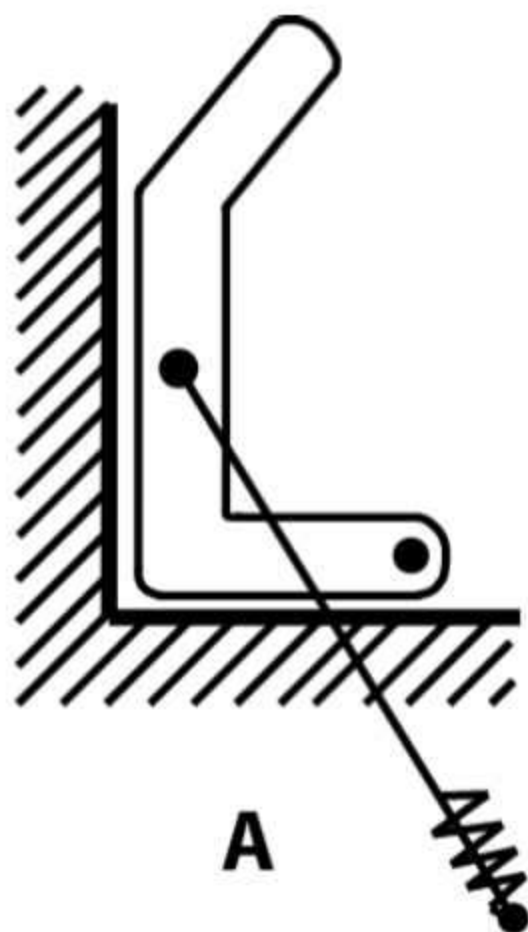


In both directions

In the direction of arrow A

In the direction of arrow B

15/70 Which handle can be held down by the spring?

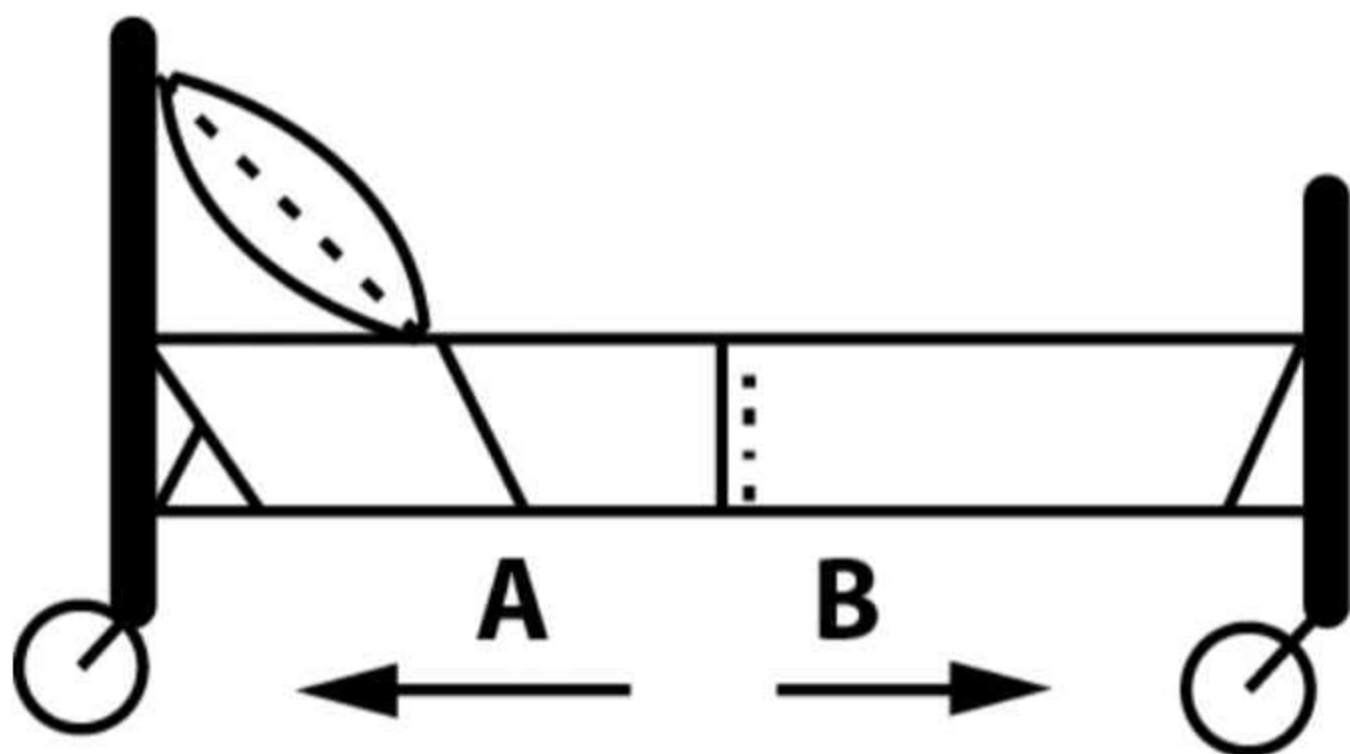


None

Handle A

Handle B

16/70 In which direction has been the bed moved for the last time?

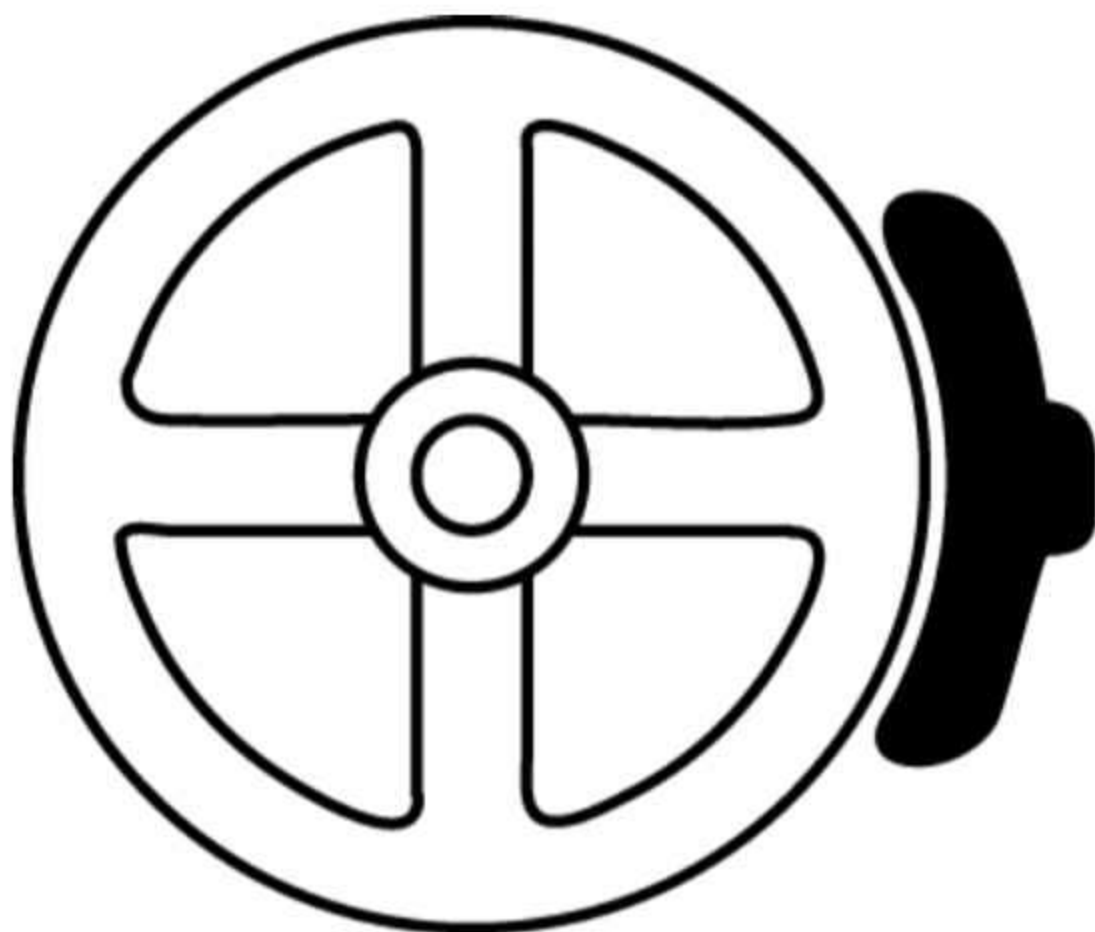


In the direction of arrow A

In the direction of arrow B

Don't know

17/70 The wheel and the brake shoe are made of the same material. Which will wear out faster – the wheel or the brake shoe?

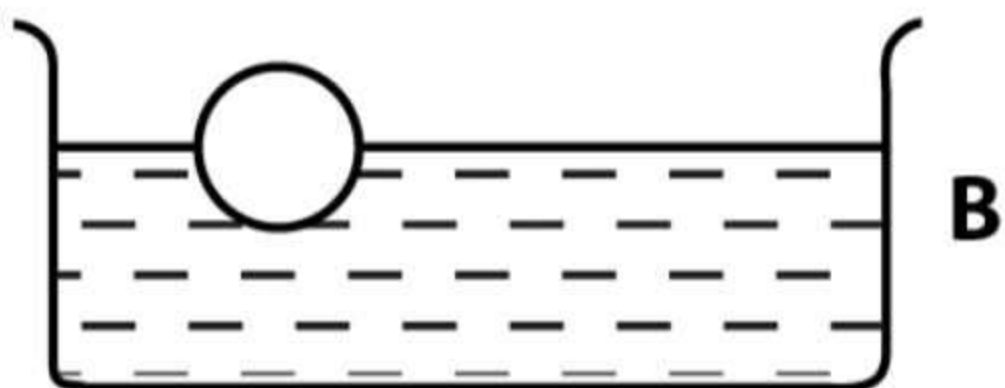
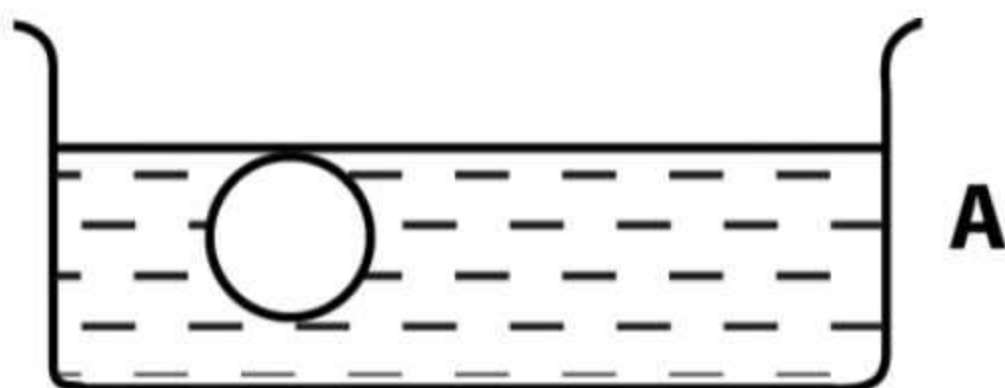


The wheel will wear out faster

The brake shoe will wear out faster

Both, at the same time

18/70 Are the containers filled with liquids of the same density or is one liquid denser than the other (the balls are the same)?



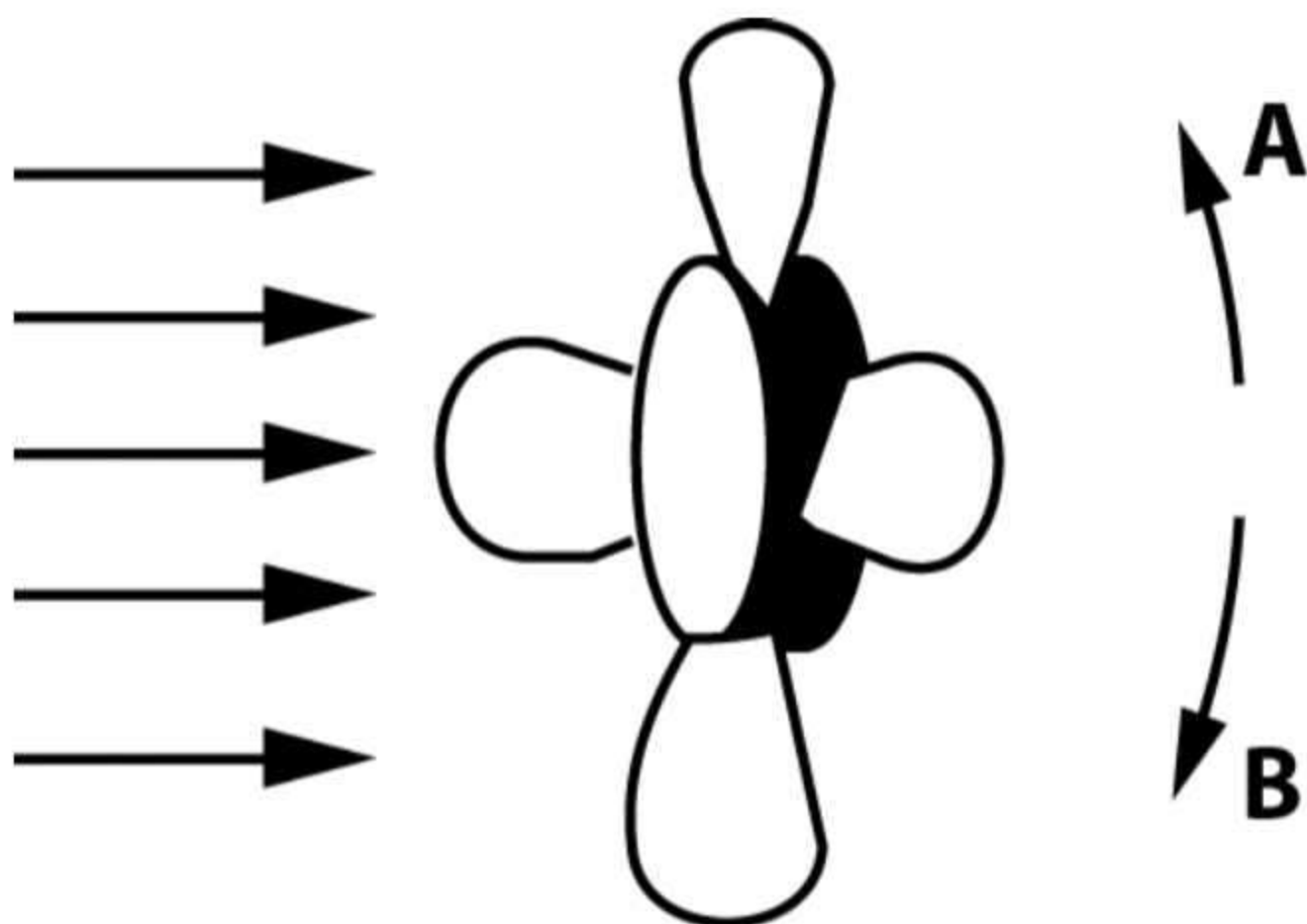
Both liquids have the same density

Liquid A is the denser

Liquid B is the denser



19/70 In which direction will the fan driven by air flow rotate?

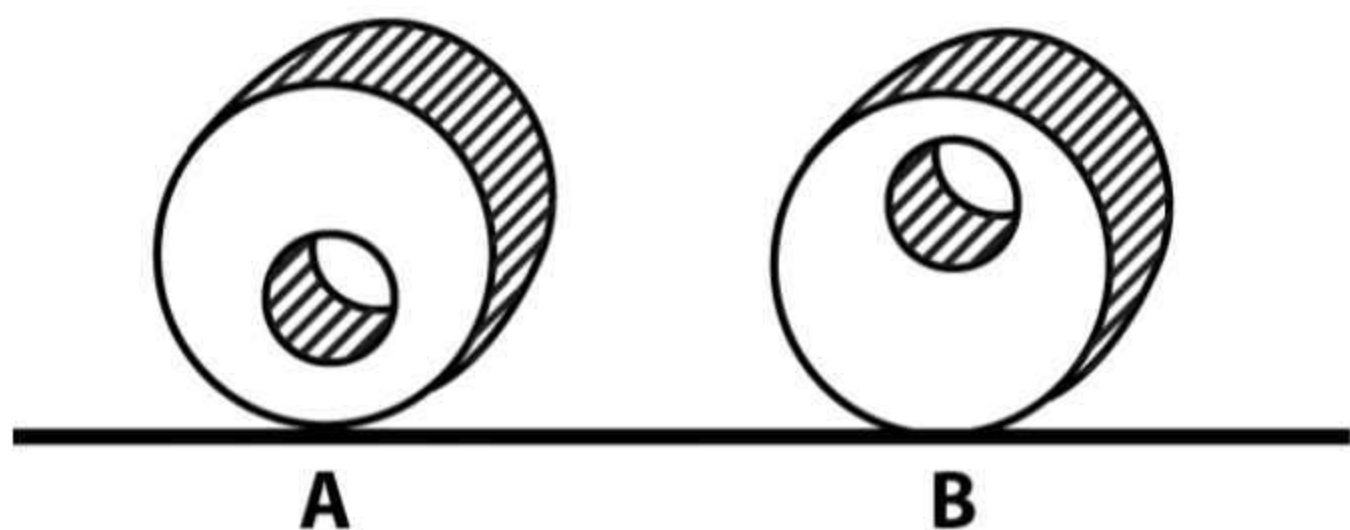


In the direction of arrow A

In the direction of arrow B

In both directions

20/70 In which position will the disc stop after free motion along the indicated line?

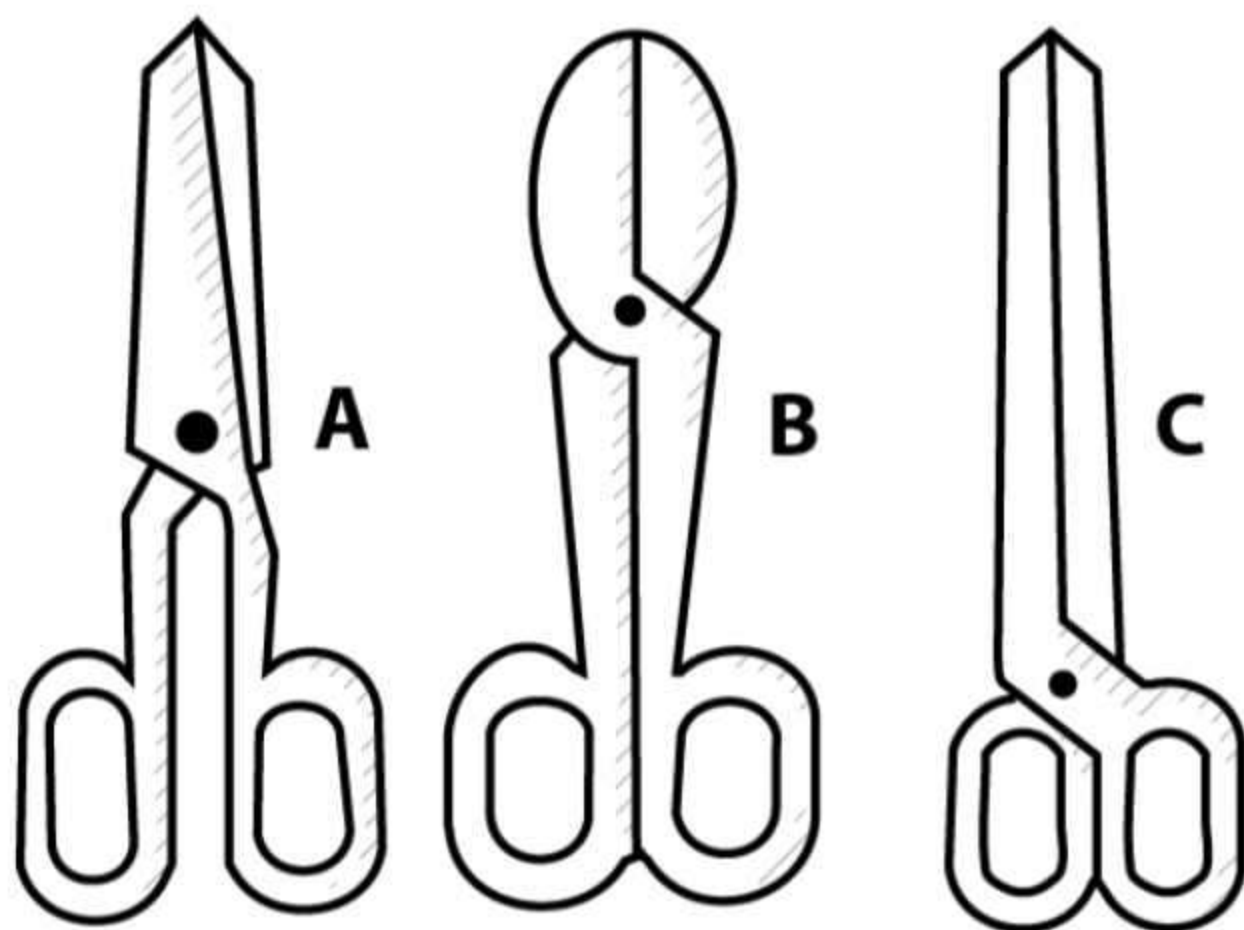


In any position

In position A

In position B

21/70 With which scissors is it easier to cut the sheet of iron?

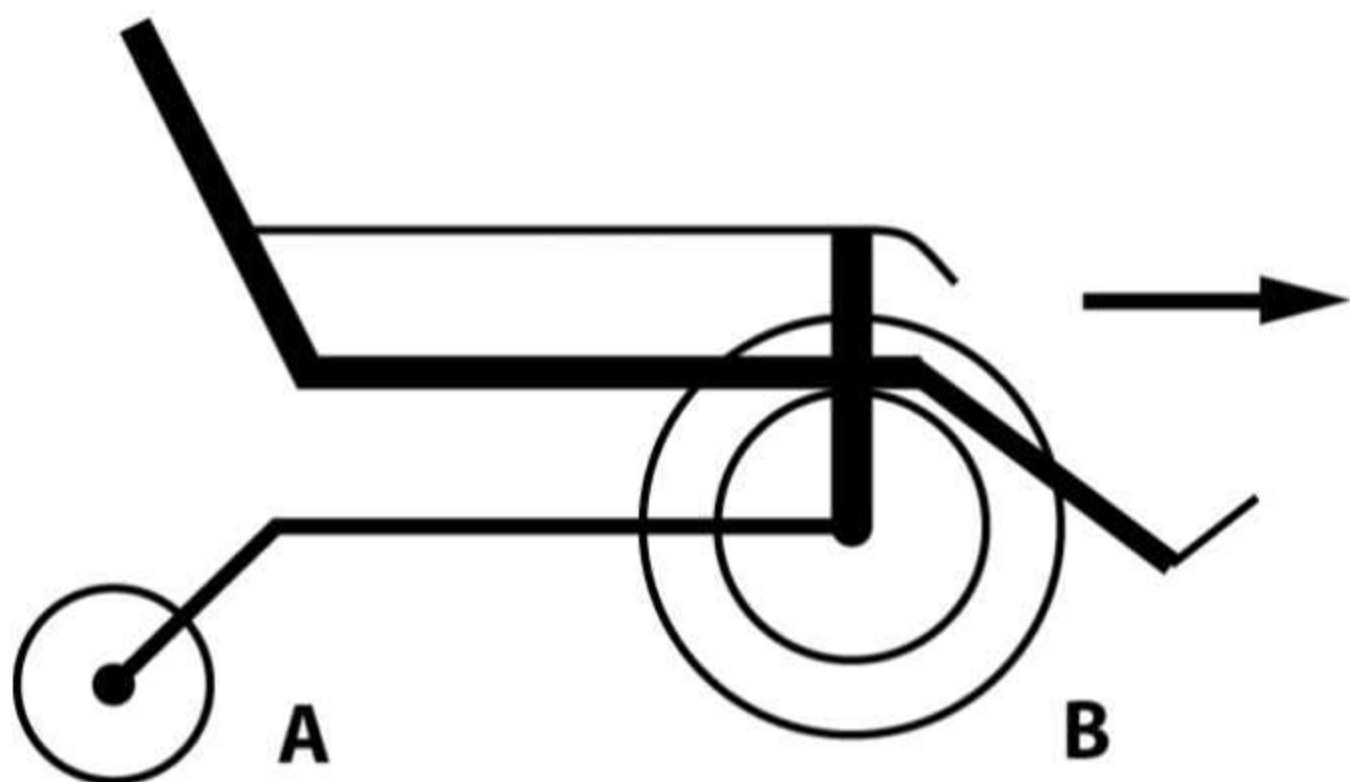


With scissors A

With scissors B

With scissors C

22/70 Which wheel of the wheelchair spins faster when the wheelchair is moving?

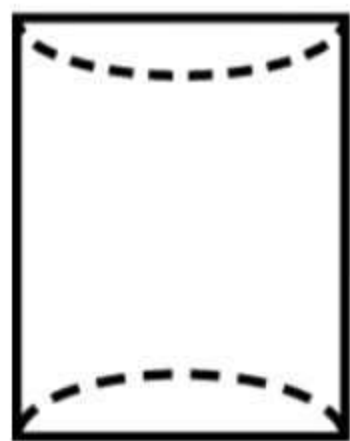


Wheel A

At the same speed

Wheel B

23/70 How will the shape of the sealed thin-walled tin can change if it is heated?



**A**



**B**



**C**

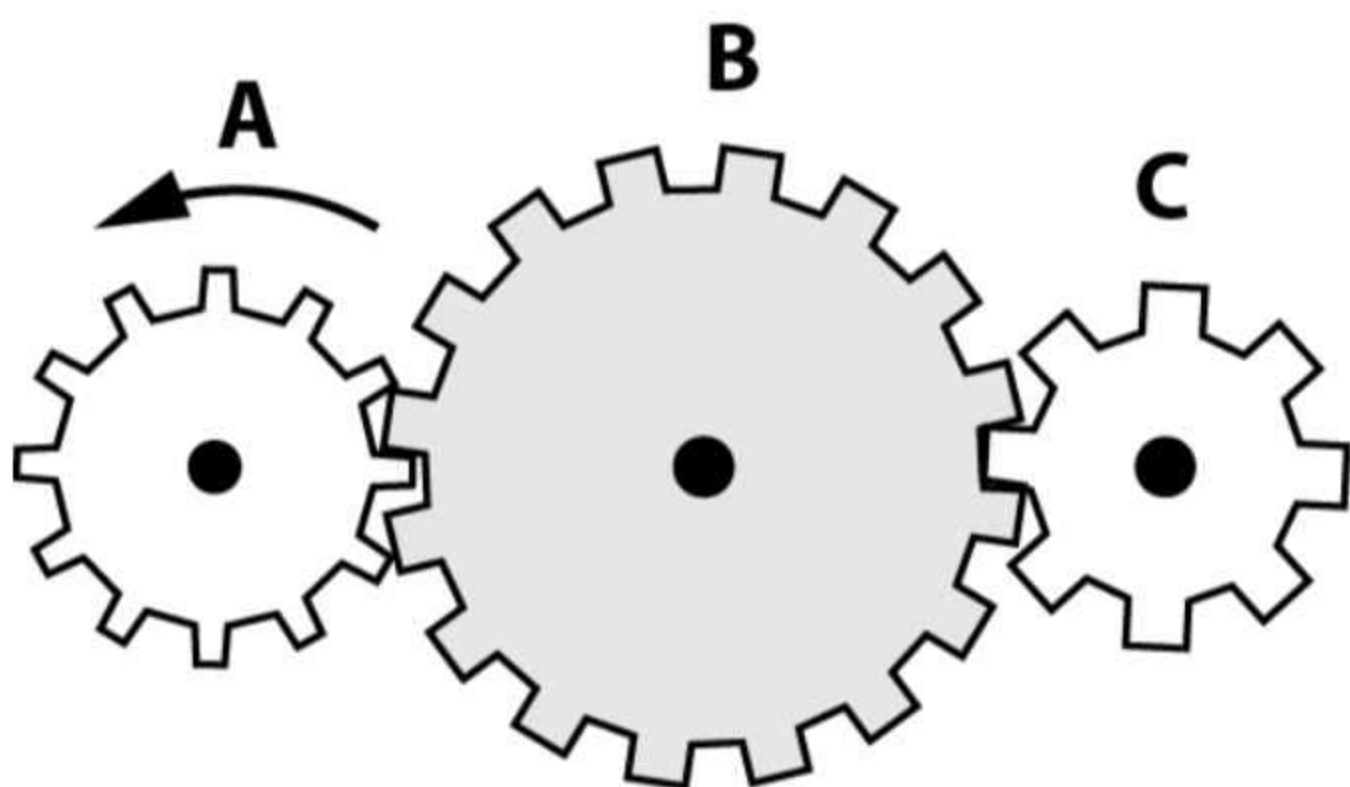
As shown in Figure A

As shown in Figure B

As shown in Figure C



24/70 Which gear rotates faster?

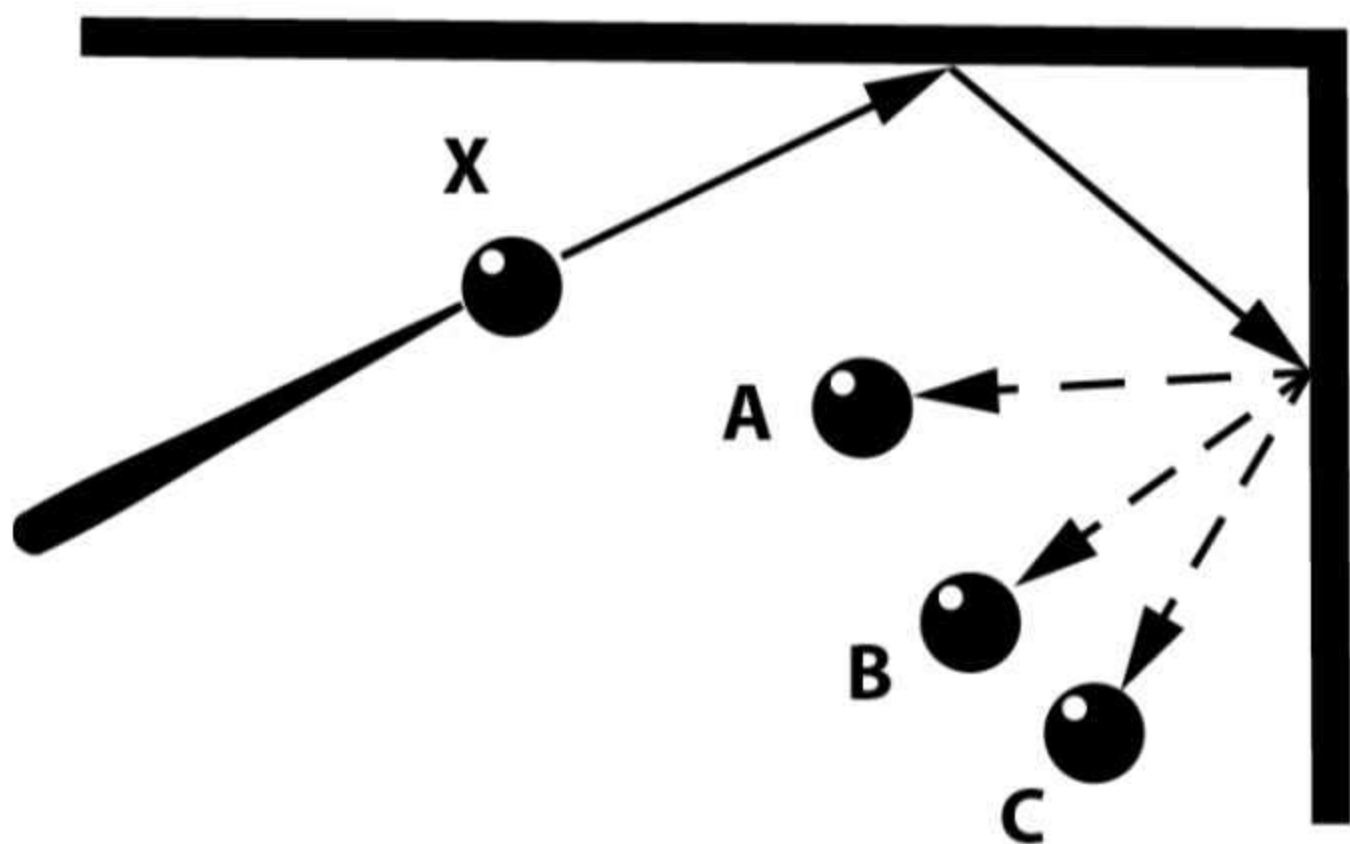


Gear A

Gear B

Gear C

25/70 Which ball will collide with ball X, if it hits the barrier in the direction indicated by the solid arrow?

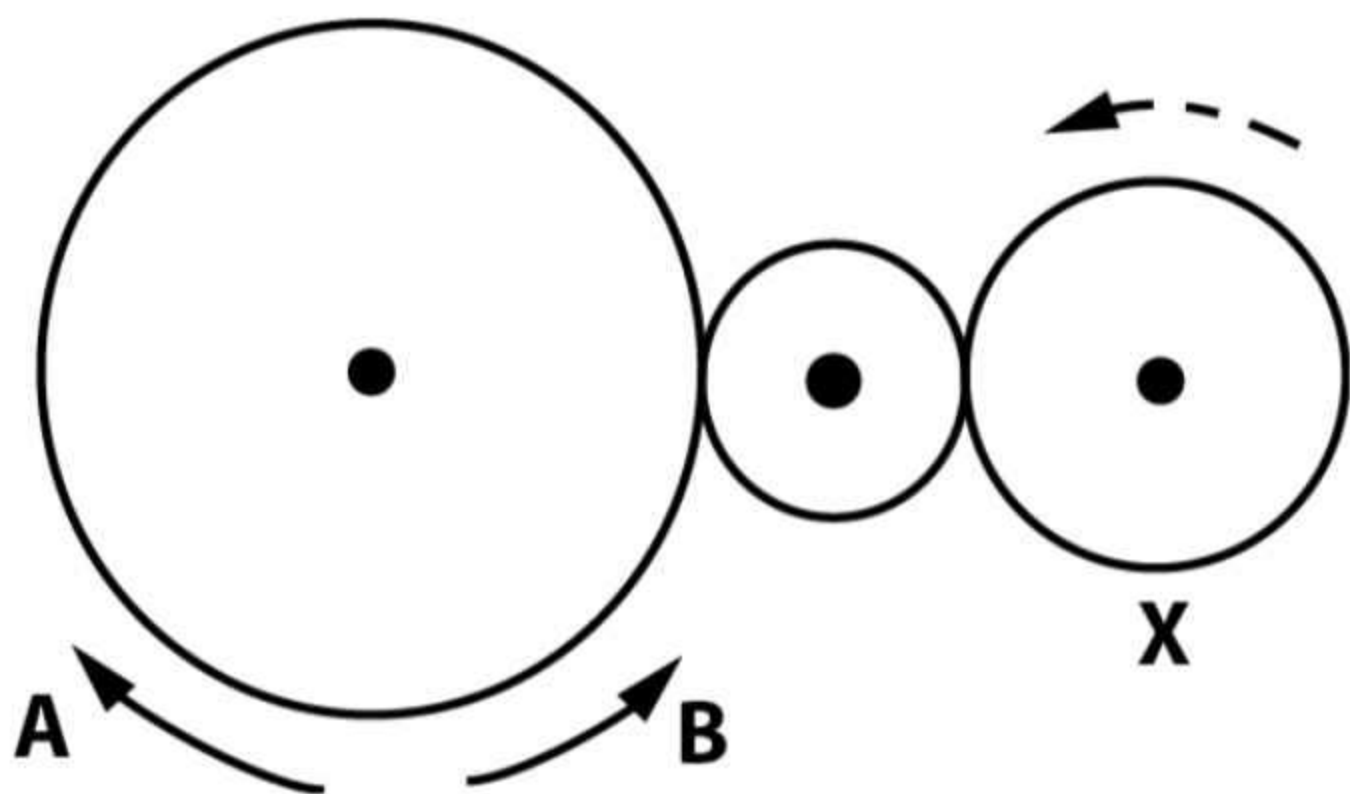


With ball A

With ball B

With ball C

26/70 Let's assume that the wheels are made of rubber. In which direction the driving wheel (the left one) should be rotated to make wheel X to rotate in the direction indicated by the dashed arrow?

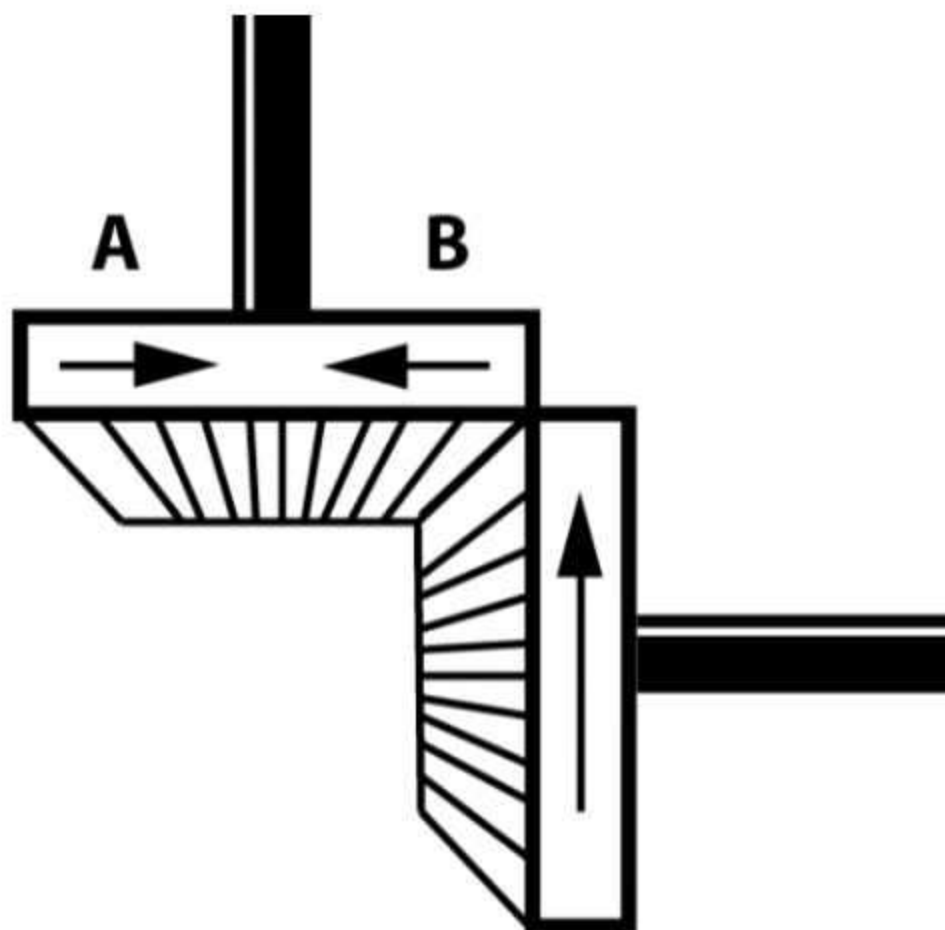


In the direction of arrow A

In the direction of arrow B

The direction doesn't matter

27/70 If the lower gear rotates in the arrow direction, in which direction does the upper gear rotate?

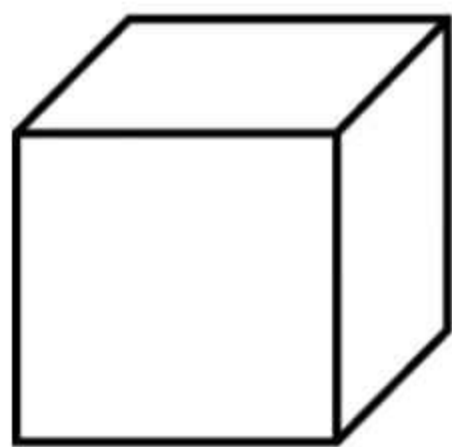


In the direction of arrow A

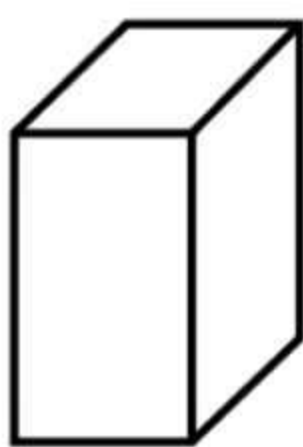
In the direction of arrow B

Don't know

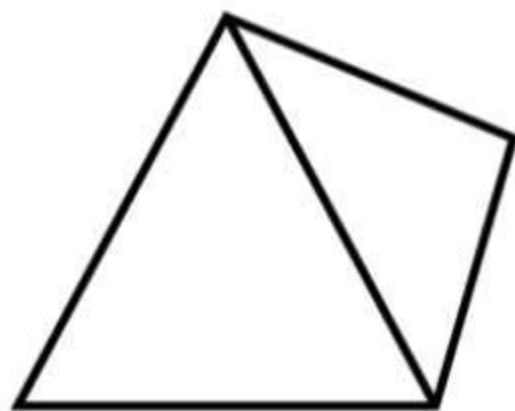
28/70 Figures A, B and C have the same weight. Which one is harder to turn over?



**A**



**B**



**C**

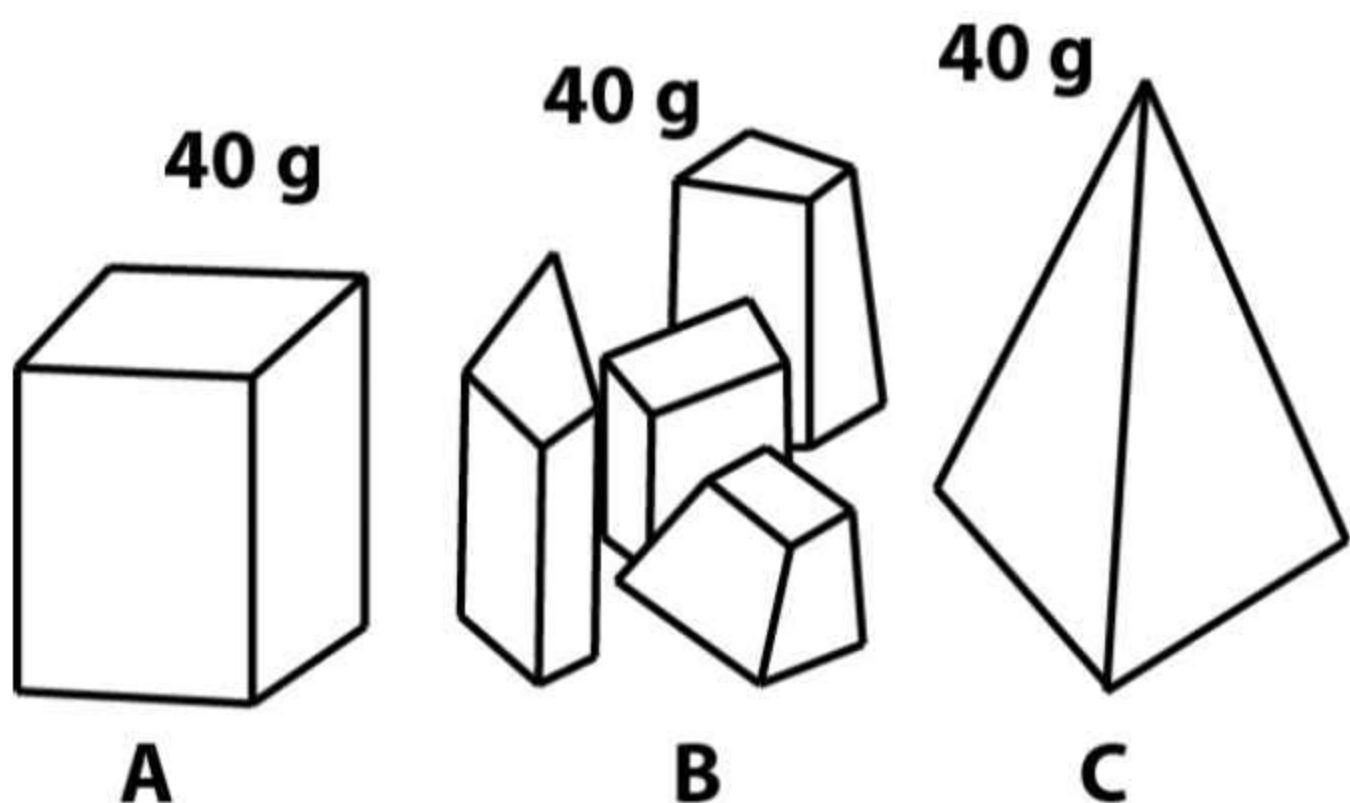
Object A

Object B

Object C



29/70 Which piece of ice will cool a glass of water faster?



Piece A

Piece B

Piece C

30/70 Which figure shows how bombs can be dropped from a plane?

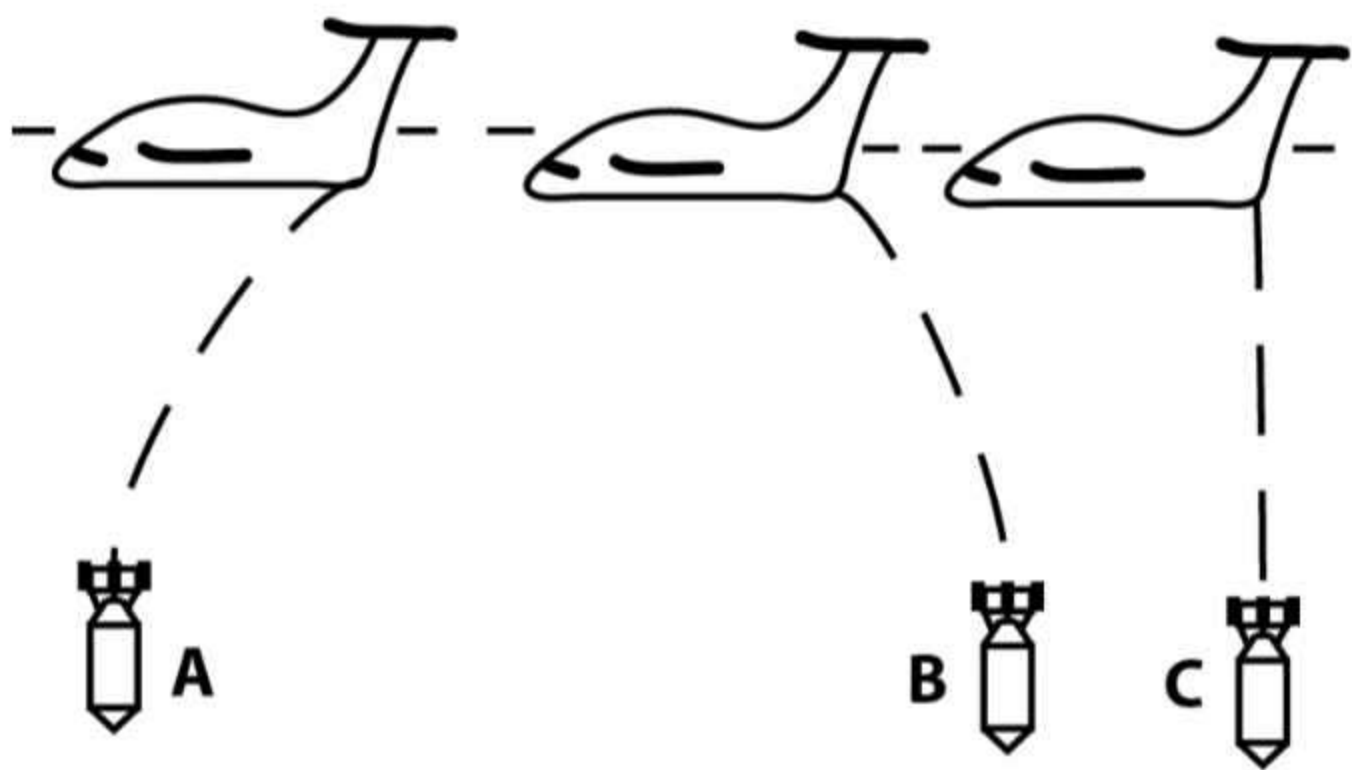
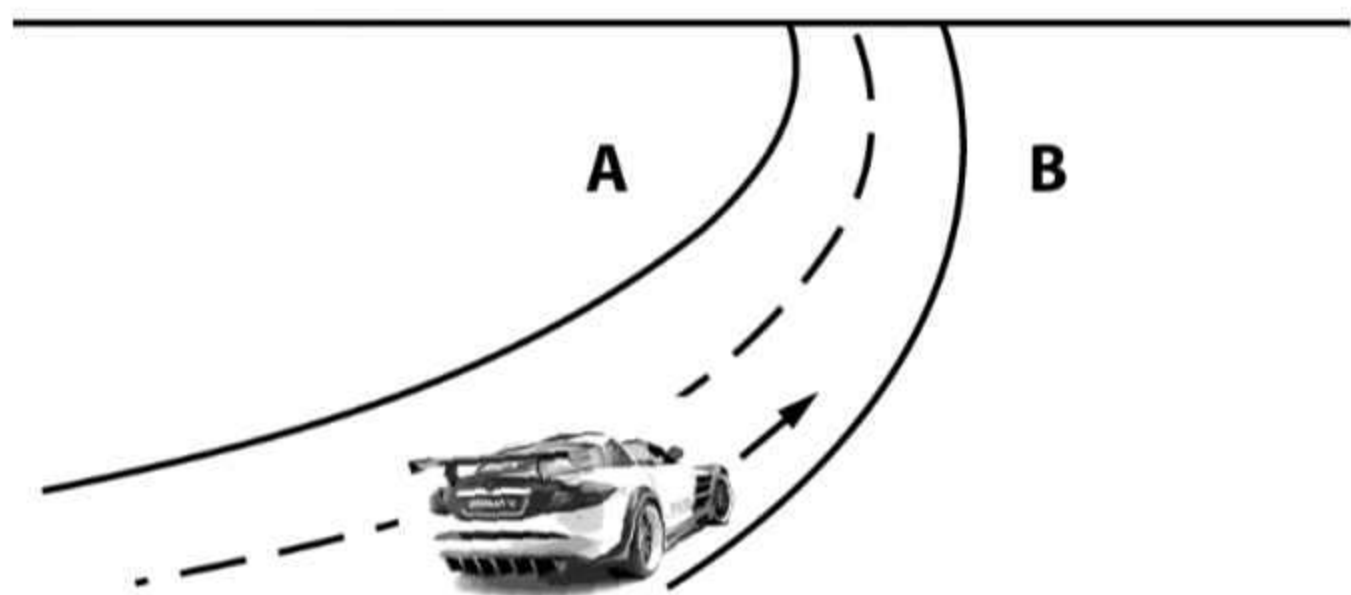


Figure A

Figure B

Figure C

31/70 Where will the car moving along the arrow skid while turning?

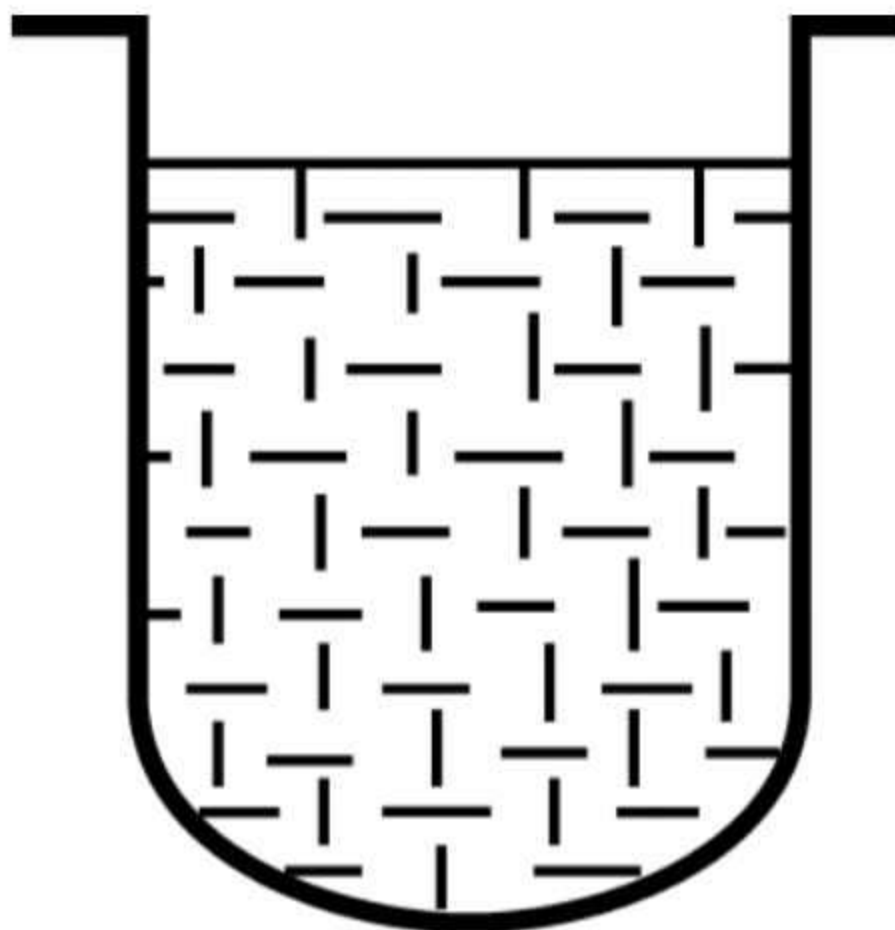


To any side

Towards A

Towards B

32/70 There is ice in the vessel. The ice thawed, how will the water level change as compared to the ice level?

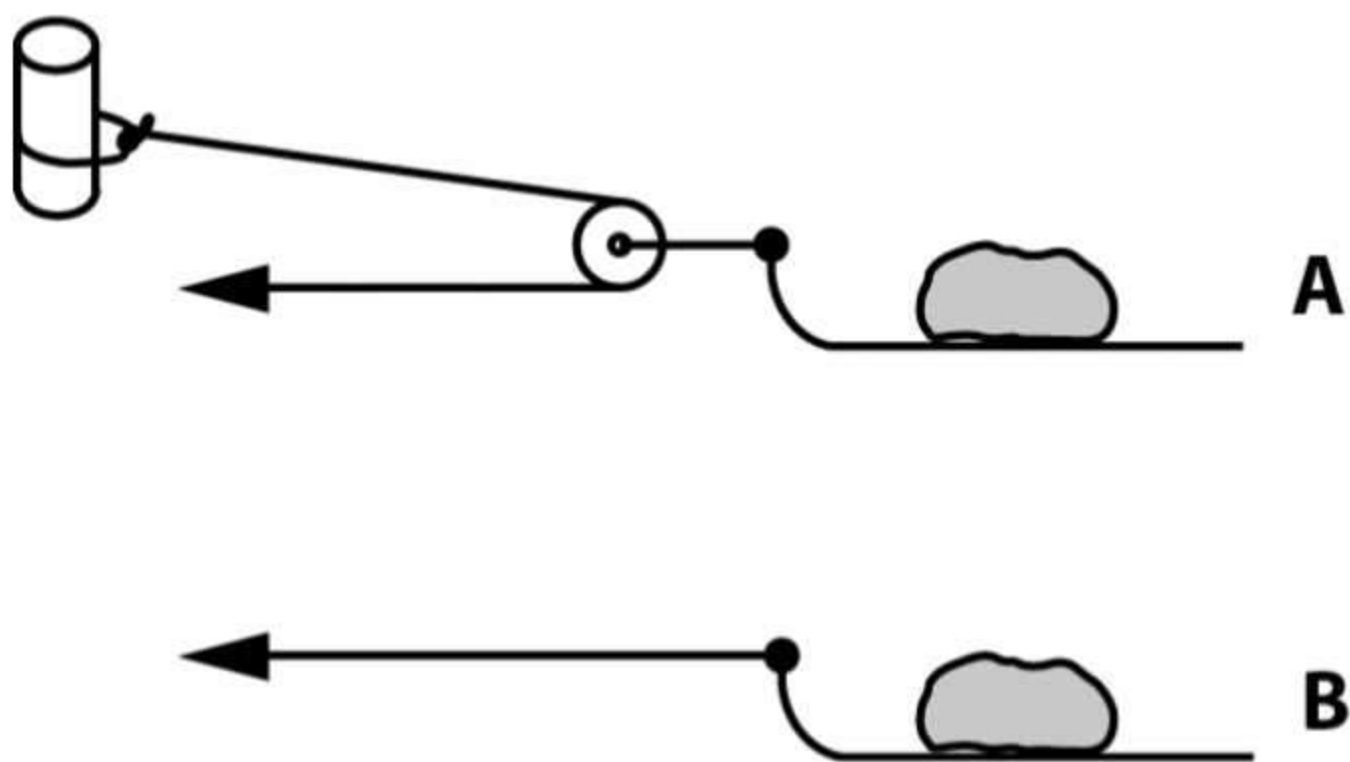


The level will rise

The level will go down

The level won't change

33/70 Which stone, A or B, is it easier to move?

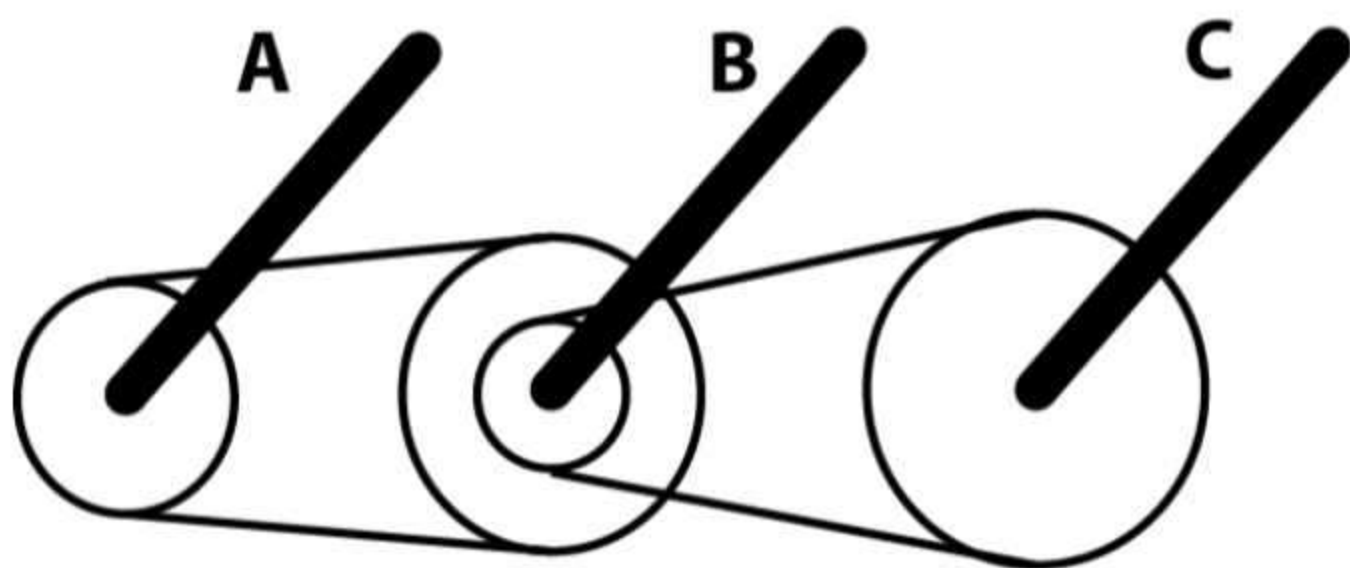


Stone A

Both require equal efforts

Stone B

34/70 Which axis rotates more slowly?



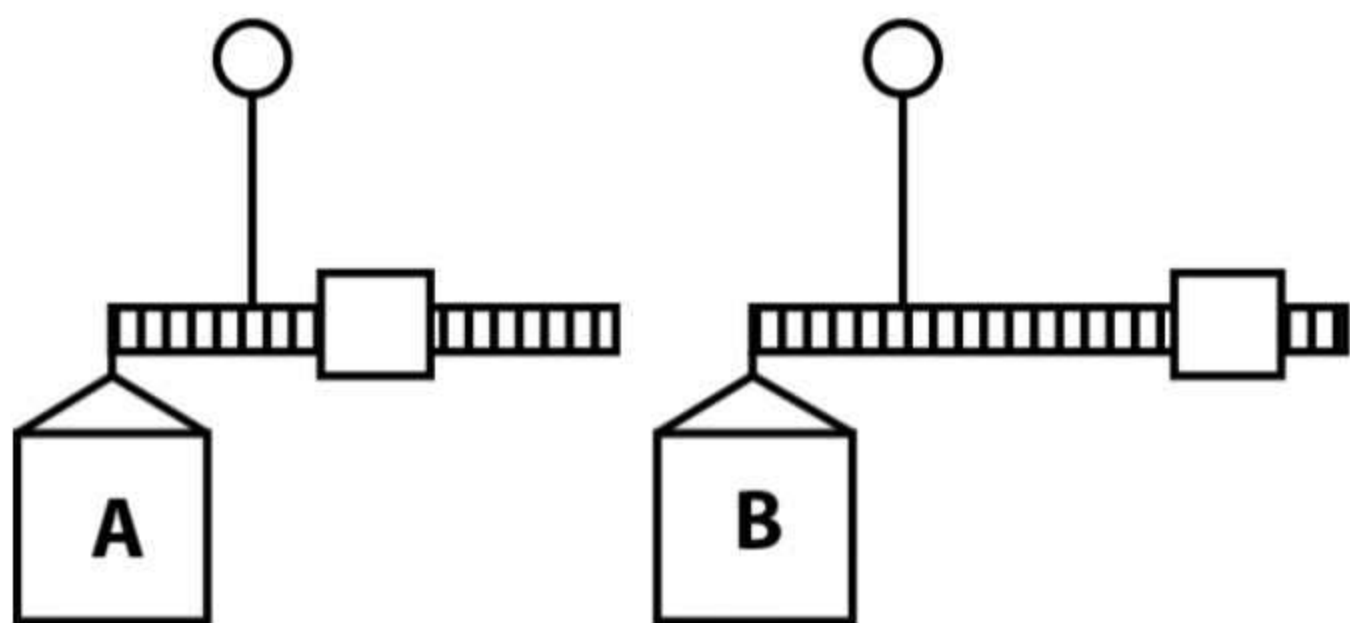
Axis A

Axis B

Axis C



35/70 Do the boxes have the same weight or is one of them heavier than the other?

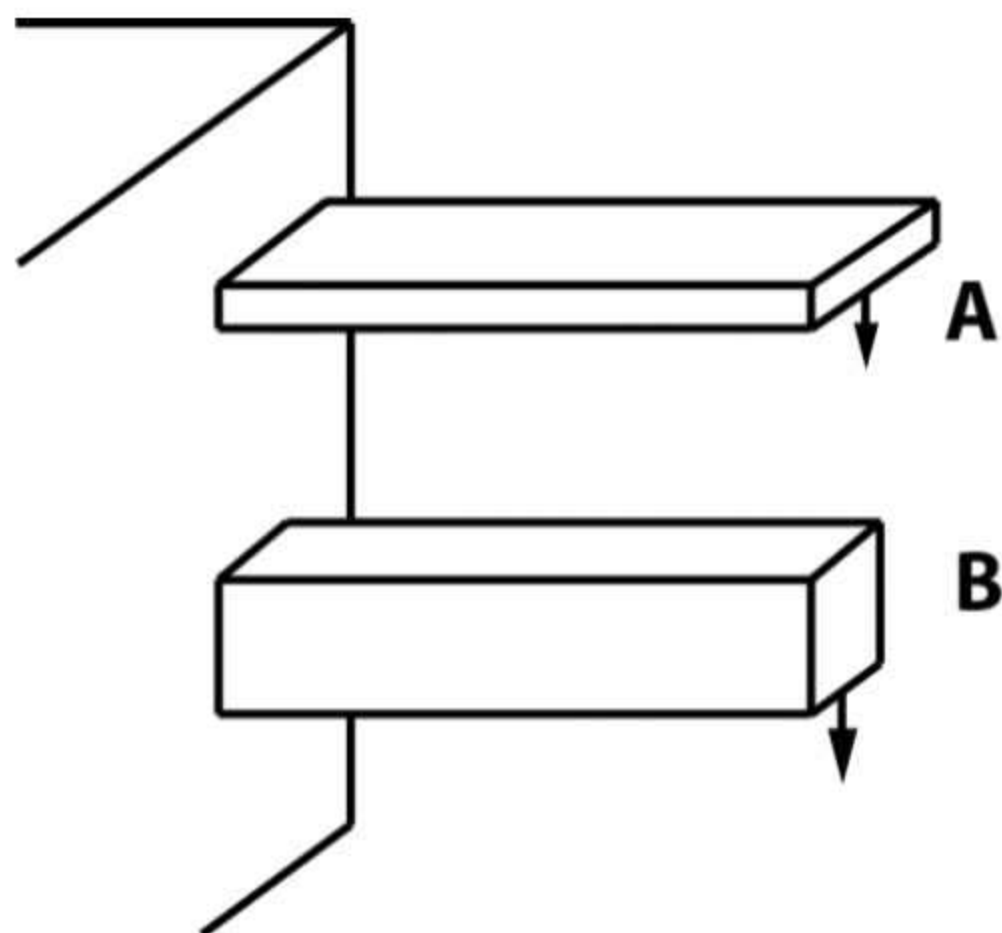


Box A weighs less

Box B weighs less

Both boxes weigh the same

36/70 Bars A and B have the same cross-sectional area and are made of the same material. Which beam can bear a heavier load?

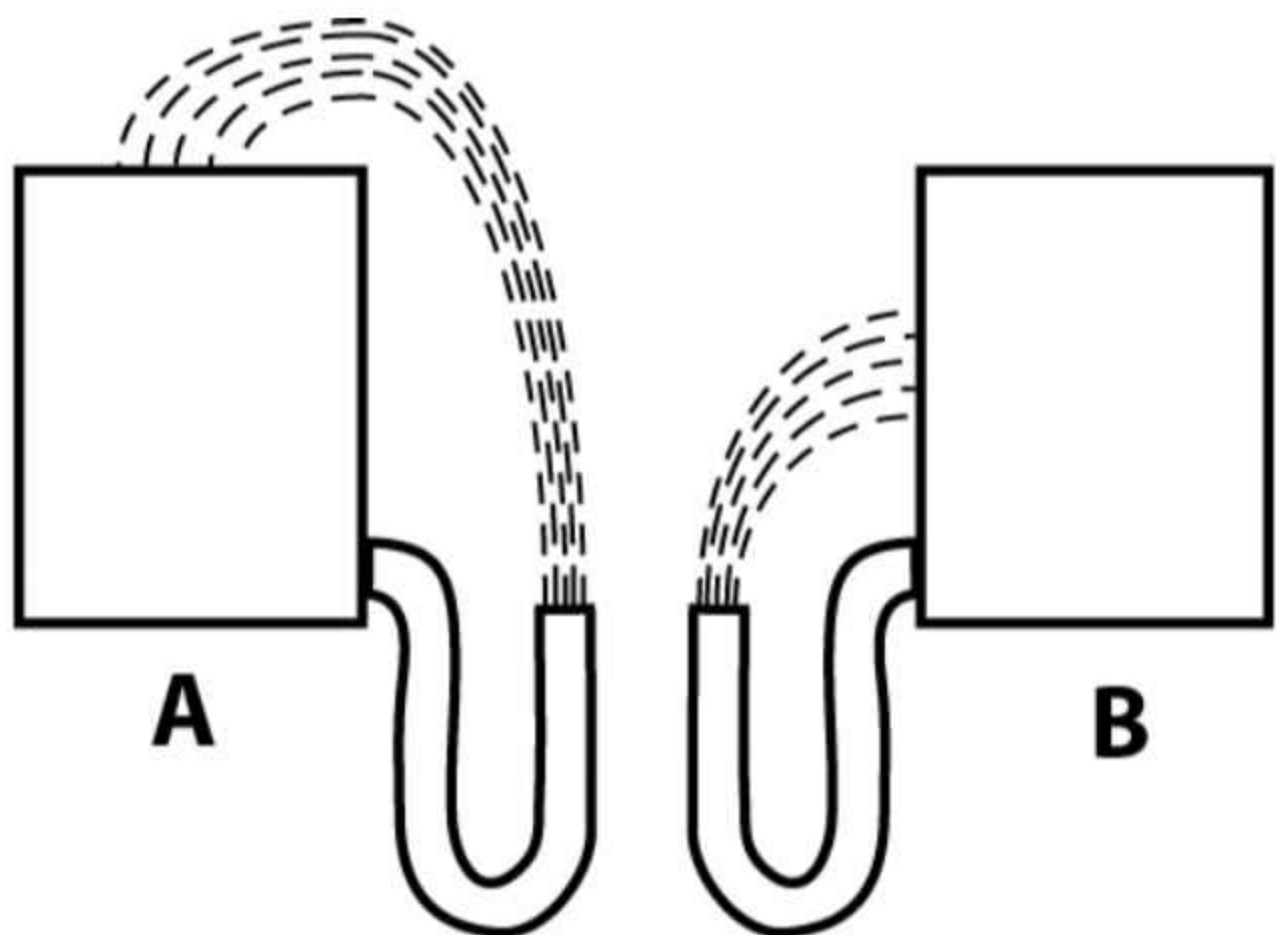


Both can bear the same

Bar A

Bar B

37/70 To what level will the water from the hose rise if it's released from tanks A and B filled to the brim?

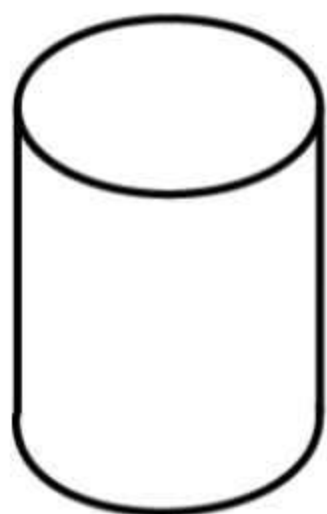


As shown in Figure A

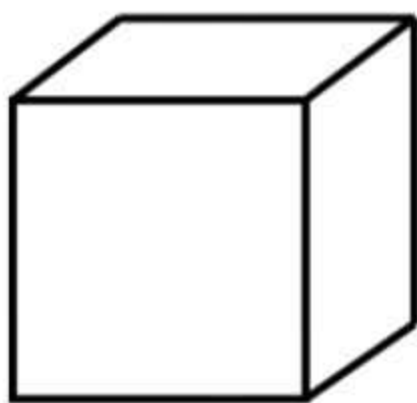
As shown in Figure B

To the level of the basins

38/70 Which of these all-metal objects will cool down faster if they are heated and put outdoors?



**A**



**B**



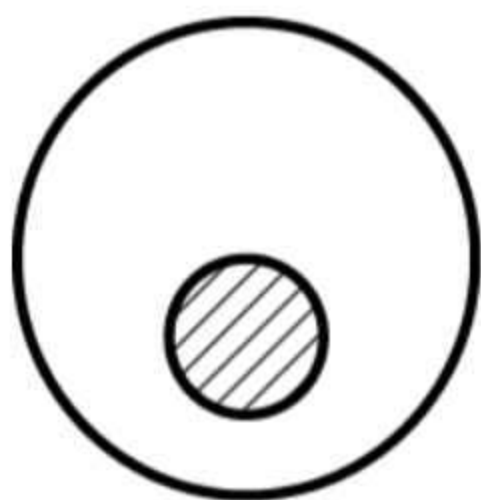
**C**

Object A

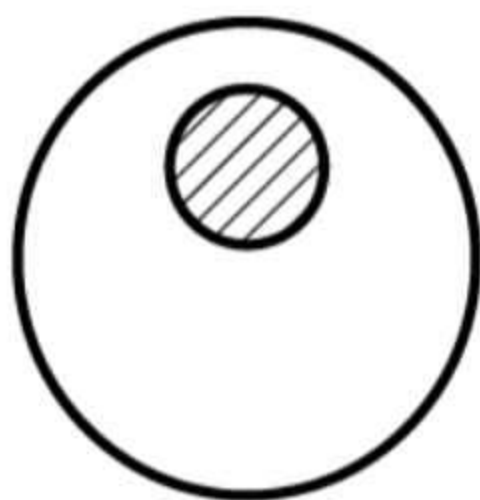
Object B

Object C

39/70 In which position will the wooden disk with a built-in metal circle stop if the disk is rolled?



**A**



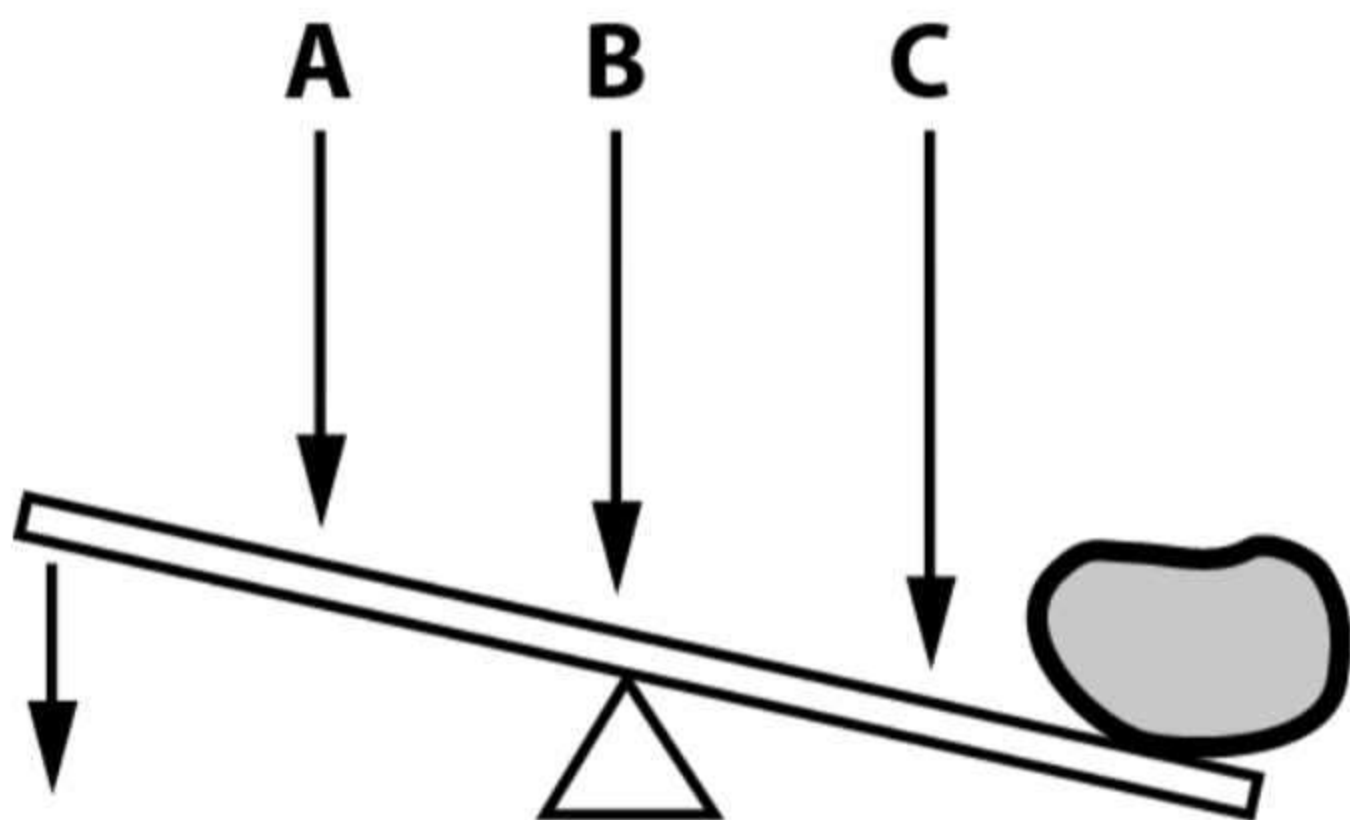
**B**

In position A

In position B

In any position

40/70 Where will the stick break if its left end is pressed sharply?



At the point A

At the point B

At the point C



41/70 Which capacity marks are placed correctly?

**A**



**B**



**C**



On container A

On container B

On container C

42/70 Which figure displays water coming out of the vessel holes in a proper way?

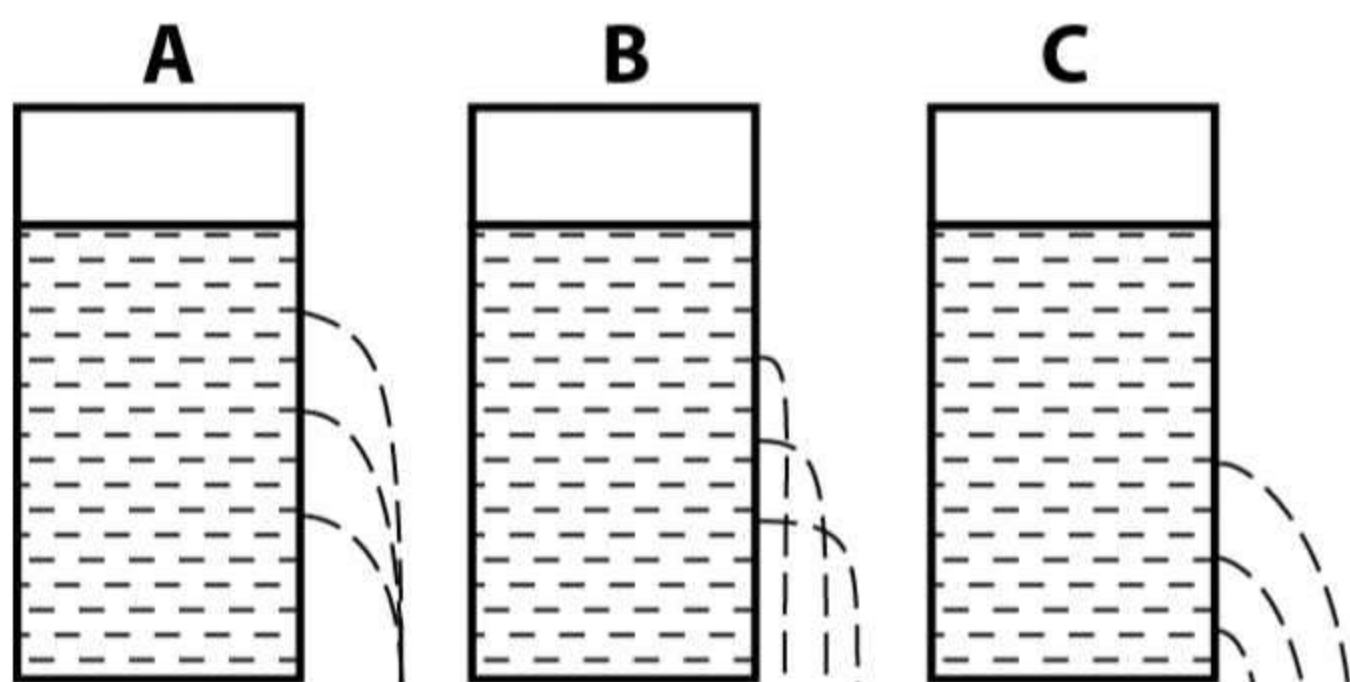
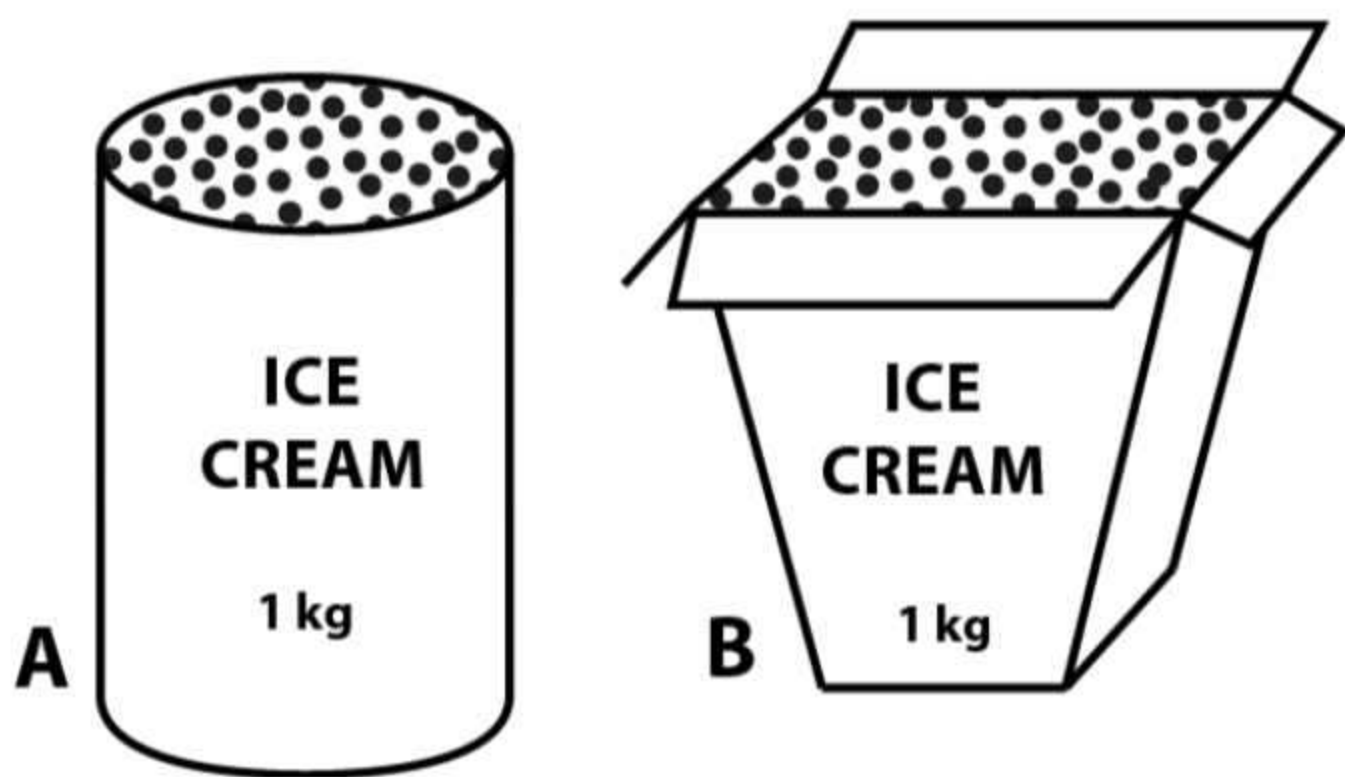


Figure A

Figure B

Figure C

43/70 Which ice cream will melt faster?

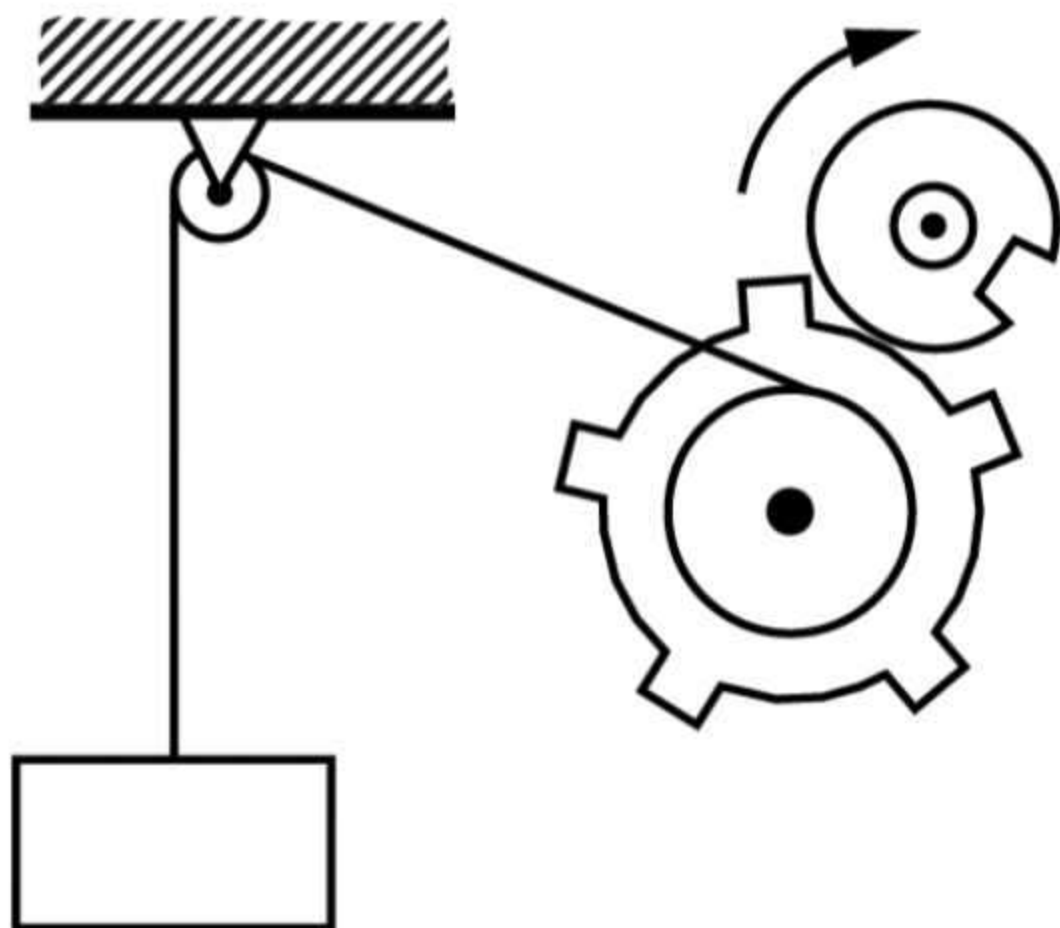


In package A

In package B

In any package

44/70 How will a suspended load move if the upper wheel rotates in the arrow direction?



Downwards, in a discontinuous manner

Upwards, in a discontinuous manner

Upwards, in a continuous manner

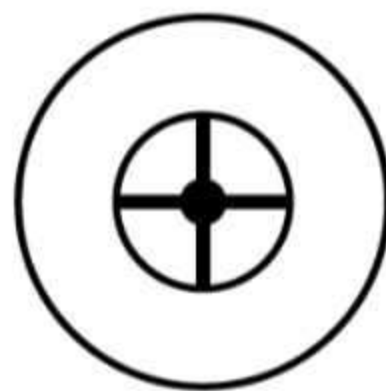
45/70 Which of the wheels made of the same material will rotate longer if they are accelerated to the same speed?



**A**



**B**



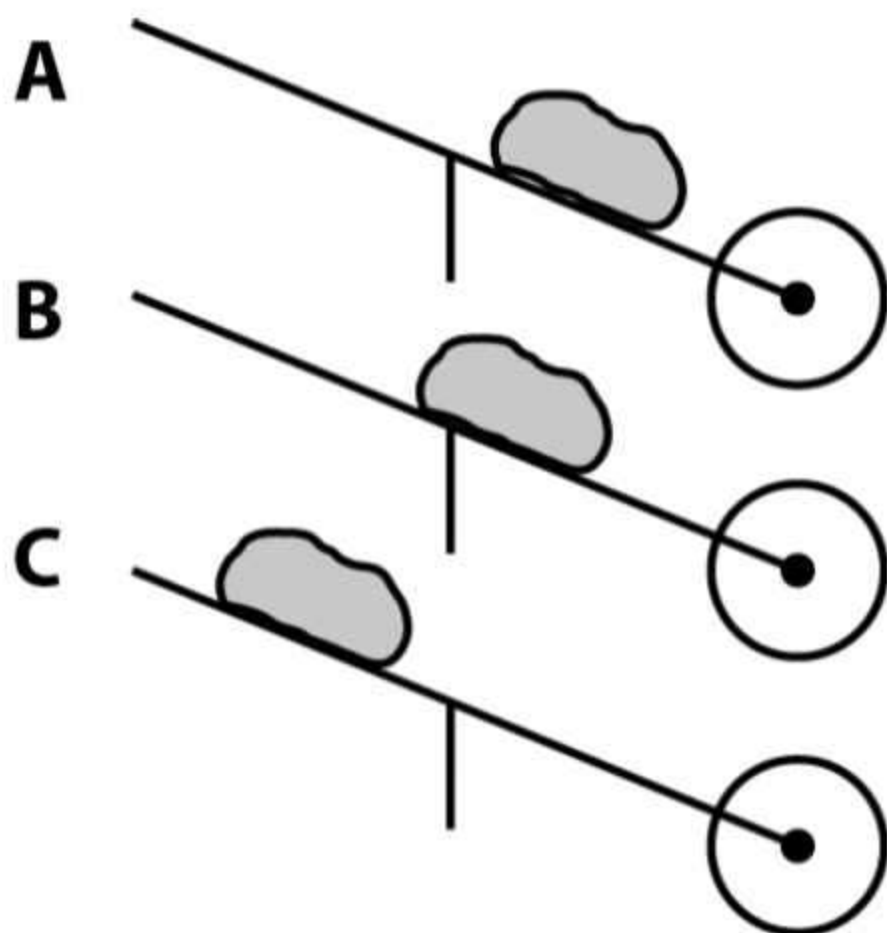
**C**

Wheel A

Wheel B

Wheel C

46/70 What is the easiest method to draw the stone along a smooth road?



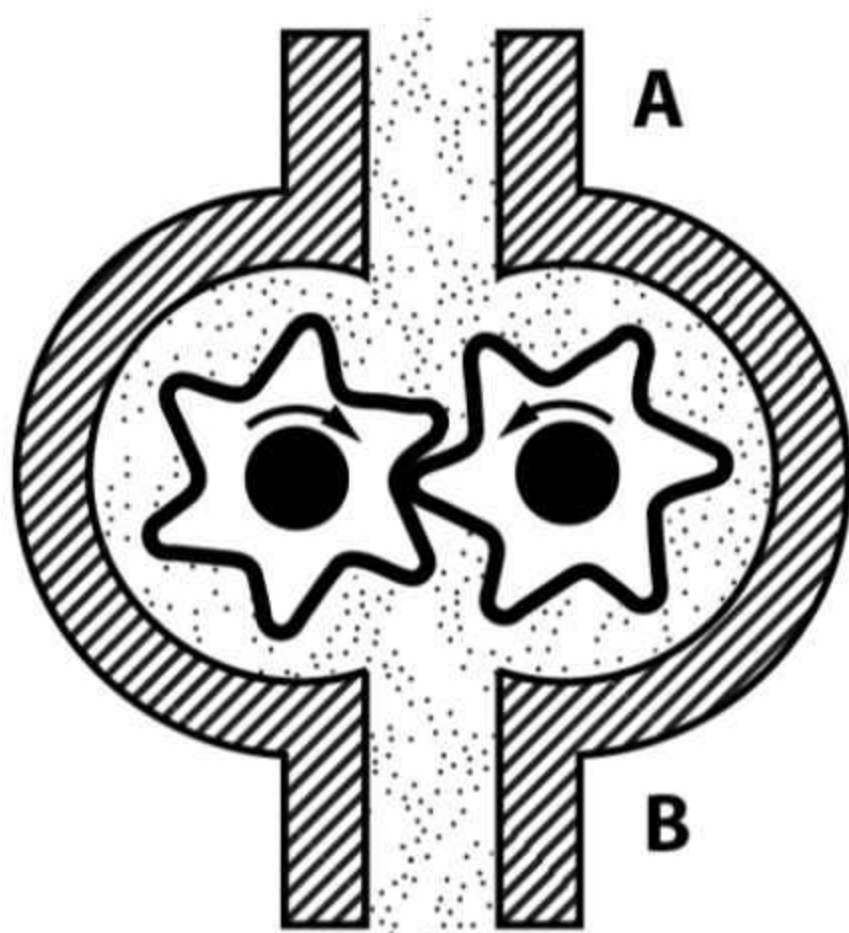
Method A

Method B

Method C



47/70 In which direction will the water move in the geared pump system if the gear rotates as shown by the arrows?

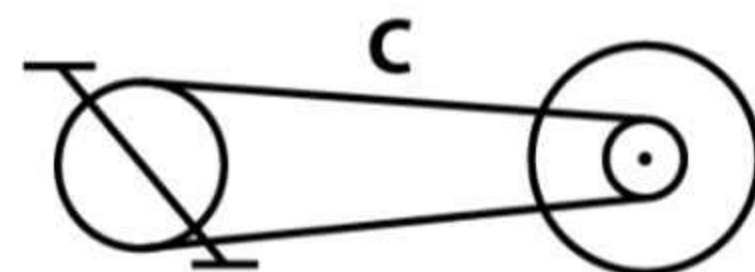
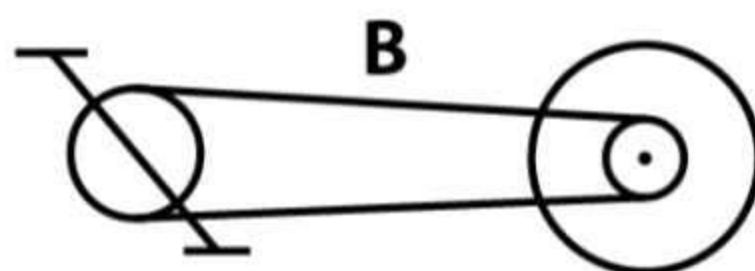
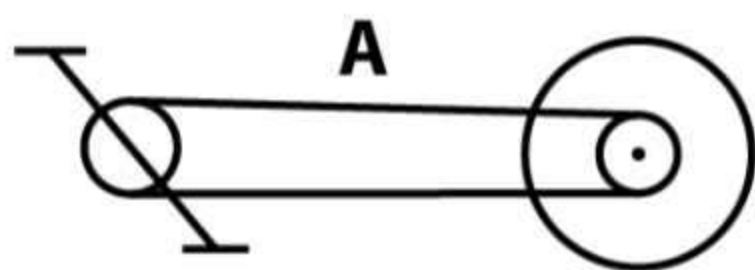


In the direction A

In the direction B

In both directions

48/70 With which type of bicycle gearing it will be harder to ride uphill?

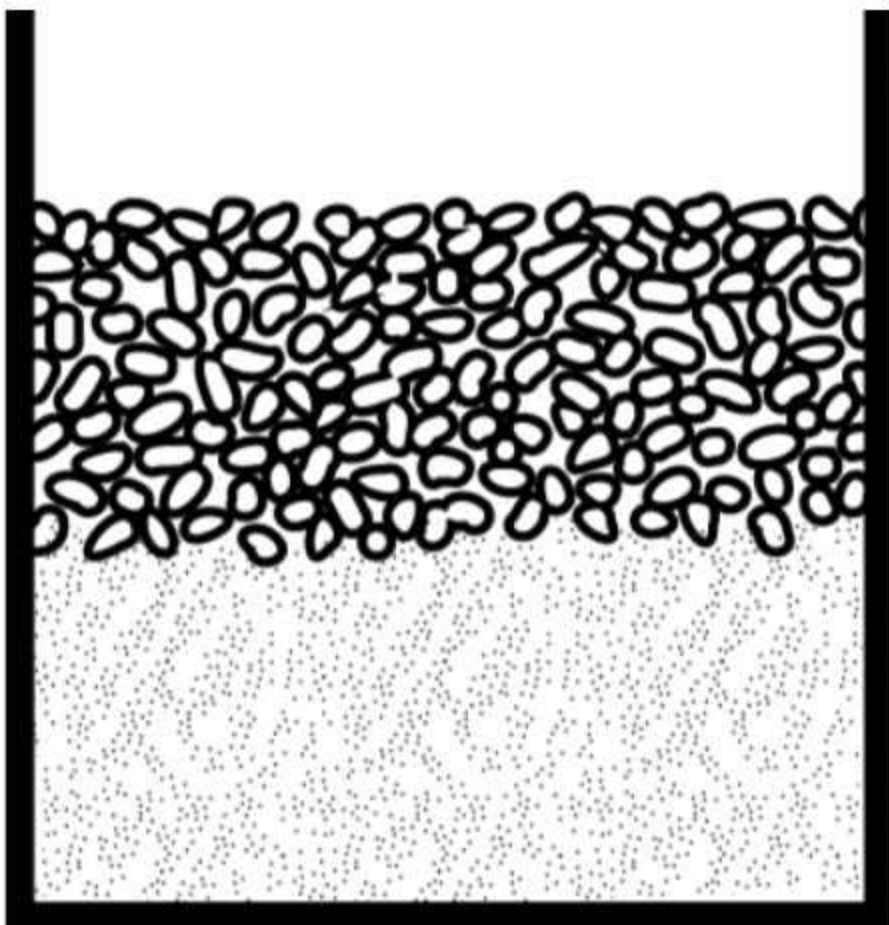


Type A

Type B

Type C

49/70 There is sand covered with pebbles (small stones) on the bottom of the container. How will the level of the fill change if the sand and pebbles are mixed up?



It will rise

It will go down

It will remain the same