



# ASVAB-SECTION-3<sup>Q&As</sup>

ASVAB Section Three : Mechanical Comprehension

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### QUESTION 1

A pump is typically used to accomplish which of the following tasks?

- A. to clarify liquids
- B. to separate liquids
- C. to move liquids downhill
- D. to move liquids uphill

Correct Answer: D

Pumps are not used to move liquids downhill because liquids will flow downhill by gravity. Also, pumps do not separate or clarify liquids; instead, they agitate and mix liquids.

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### QUESTION 2

A good example of a simple machine is a \_\_\_\_\_.

- A. manually operated pencil sharpener
- B. doorknob
- C. light switch
- D. all of the above

Correct Answer: D

Simple machines are devices that make work easier.

Some examples of simple machines are levers, hydraulic jacks, loading ramps, vises, and machines that spin ?winches and gears. Door knobs, light switches, and manually operated pencil sharpeners are also simple machines.

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### QUESTION 3

A string of six gears exists, with each gear turning in conjunction with one another.

Which gears operate in the same rotation?

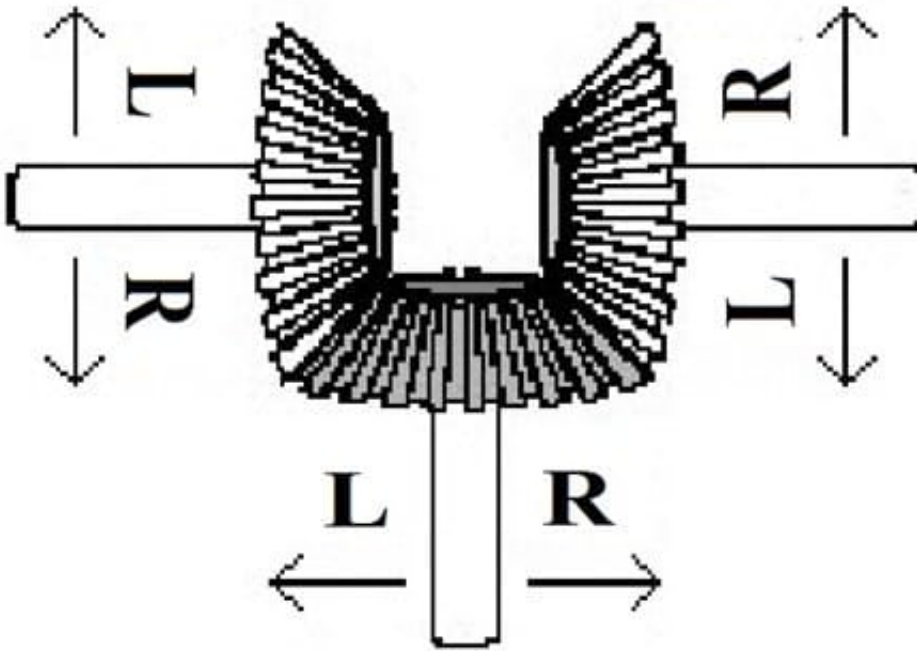
- A. Gears 1, 2, and 3
- B. Gears 1, 3, and 5
- C. Gears 3, 4, and 5



D. Gears 2, 4, and 5

Correct Answer: B

#### QUESTION 4



If Gear A is turned to the left \_\_\_\_\_.

- A. Gear B turns to the right and Gear C turns to the left.
- B. Gear B turns to the left and Gear C turns to the left.
- C. Gear B turns to the right and Gear C turns to the right.
- D. Gear B turns to the left and Gear C turns to the right.

Correct Answer: A

Gears with their teeth together in mesh turn in opposite directions. Gear A turns Gear B in the opposite direction (right), and Gear B turns Gear C in the opposite direction (left).

#### QUESTION 5

33,000 foot-pounds of work done in one minute is called \_\_\_\_\_.

- A. a job for an enlisted soldier
- B. one horsepower



C. 330 psi

D. meaningful force

Correct Answer: B

Scientists agree that 33,000 foot-pounds per minute is one horsepower.

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