ASVAB-SECTION-3Q&As

ASVAB Section Three : Mechanical Comprehension

Pass ASVAB ASVAB-SECTION-3 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

https://www.geekcert.com/asvab-section-3.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by ASVAB Official Exam Center

- **Instant Download** After Purchase
- **100% Money Back** Guarantee
- **365 Days** Free Update
- **800,000+** Satisfied Customers

QUESTION 1

The force that causes clothes from the dryer to stick together is called _____.

A. gravity

B. magnetism

C. friction

D. static electricity

Correct Answer: D

Static electricity causes materials to "stick" together this way.

QUESTION 2

Helical gears have _____.

A. straight teeth

B. slanted teeth

C. teeth of unequal size

D. no advantage over spur gears

Correct Answer: B

The teeth of helical gears are slanted.

QUESTION 3

An aneroid barometer measures _____.

A. atmospheric pressure

B. water pressure

C. hydraulic-fluid pressure

D. the ambient temperature

Correct Answer: A

An aneroid barometer measures atmospheric pressure.

QUESTION 4

A screw consists of a single continuous spiral wrapped around a _____.

A. piston

B. cylinder

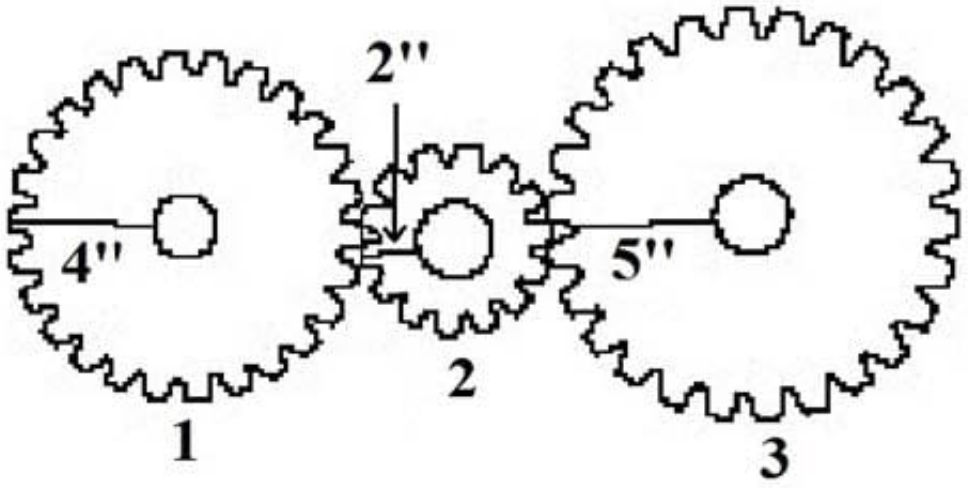
C. helix

D. square

Correct Answer: B

A screw is a simple device. It has been used for centuries as a means of lifting water out of wells and over the banks of irrigation canals. A screw consists of a single continuous spiral wrapped around a cylinder. The threads are cut into a rod in a spiral and make it possible to use the holding power of the screw in fastening objects together.

QUESTION 5



If Gear 1 in the figure above makes 10 complete clockwise revolutions per minute, then _____.

A. Gear 2 makes 2 clockwise revolutions per minute.

B. Gear 3 makes 8 clockwise revolutions per minute.

C. Gear 3 makes 30 clockwise revolutions per minute.

D. Gear 3 makes 9 counterclockwise revolutions per minute.

Correct Answer: B

Gear 1 makes 10 clockwise revolutions per minute. Gear 2, which is half the size, makes 20 counterclockwise revolutions per minute. (The number of revolutions it makes is inversely proportional to its difference in size.) Gear 2 is half the size of Gear 1, so to determine the number of revolutions it makes, multiply the number of revolutions Gear 1 makes by the inverse of 1?2: 10 × 2?1 (or just 2) = 20. Gear 3 is 2.5 times the size of Gear 2. In other words, it is 5?2 the size of Gear 2. To determine the number of revolutions Gear 3 makes, multiply the inverse of 5?2 by the number of revolutions Gear 2 makes: 2?5 × 20. This can be stated as 20?1 (the number of revolutions Gear 2 makes per minute) × 2?5 (the fraction of revolutions Gear 3 makes) = 40?5 or 8 revolutions per minute.

ASVAB-SECTION-3 VCE Dumps | ASVAB-SECTION-3 Exam Questions | ASVAB-SECTION-3 Braindumps