



ASVAB-SECTION-5^{Q&As}

ASVAB Section Five : Electronic Information

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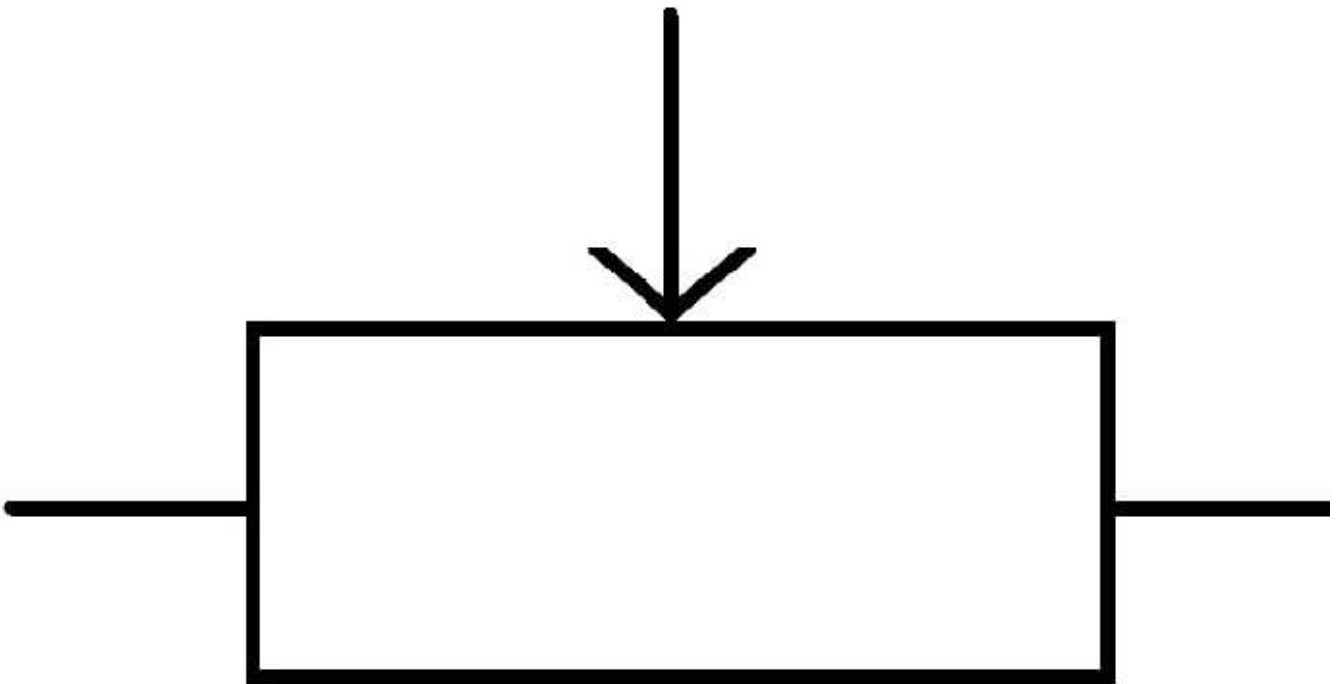
**QUESTION 1**

The Greek letter phi (ϕ) is used to _____.

- A. indicate ohms
- B. indicate angles or phases
- C. indicate volts
- D. indicate dielectric flux

Correct Answer: B

The Greek alphabet is used almost in its entirety in the electrical field to represent various quantities and effects. The Greek letter phi (ϕ) is familiar if you have been looking at three-phase power. It is used to represent the phases of electrical power.

QUESTION 2

The above symbol represents a _____.

- A. rheostat
- B. capacitor
- C. relay



D. potentiometer

Correct Answer: A

This type of variable resistor is usually used to control voltage.

QUESTION 3

A resistor marked 2.5K ohms has the value of _____.

A. 2.5 ohms

B. 250 watts

C. 2,500 ohms

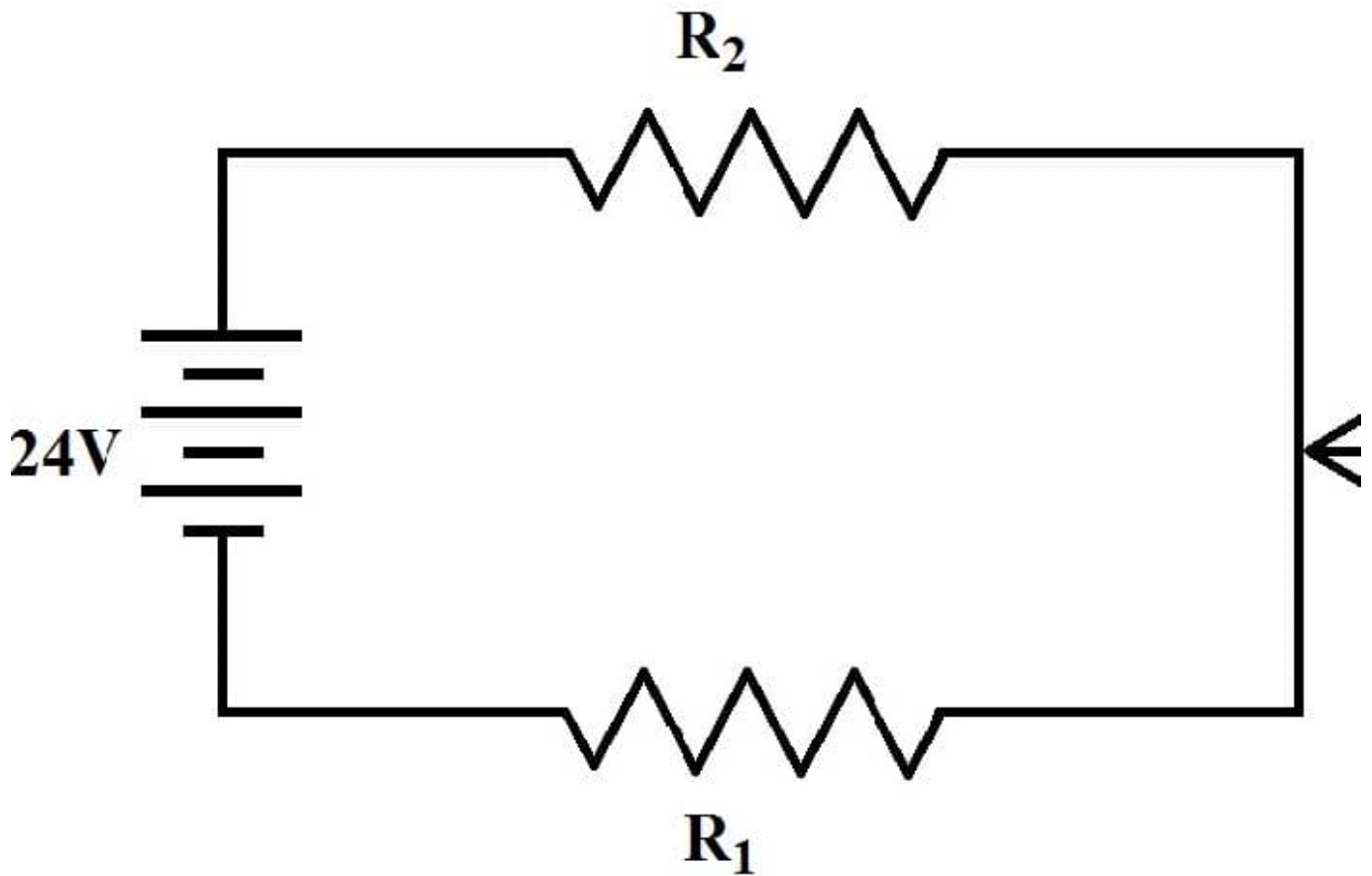
D. 25,000 ohms

Correct Answer: C

2.5K ohms is 2,500 ohms. K = one kilo or 1,000.

QUESTION 4

If both the resistors shown (R1 and R2) in the diagram below are of equal size, what is the voltage at the arrow?



- A. 9V
- B. 12 V
- C. 18 V
- D. 24 V

Correct Answer: B

The total voltage drop of the circuit must equal the voltage across the battery, which is 24 V.

Because the resistors are both the same size, each resistor creates half of the total voltage drop: $24/2 = 12$.

Therefore, the voltage at the arrow is 12 V.

QUESTION 5

A fuse with a higher-than-required rating used in an electrical circuit _____.

- A. improves safety
- B. increases maintenance



C. may not work properly

D. is less expensive

Correct Answer: C

Because fuses are designed to prevent current overload at a specific level, a fuse with a high rating may not work properly for a circuit rated at a lower level.

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