



ASVAB-SECTION-6^{Q&As}

ASVAB Section Six : Mathematics Knowledge

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QUESTION 1

$2.5 \times 33 =$ _____.

- A. 22.5
- B. 75.0
- C. 67.5
- D. 675.0

Correct Answer: C

Explanation:

$2.5 \times 33 = 2.5 (3 \times 3 \times 3) = 2.5 \times 27 = 67.50$.

QUESTION 2

A cube has a volume of 512 cubic inches. What is the length of one side of the cube?

- A. 8 inches
- B. 64 inches
- C. 128 inches
- D. 16 inches

Correct Answer: A

QUESTION 3

Which of these fractions is the largest?

- A. $\frac{1}{4}$
- B. $\frac{7}{8}$
- C. $\frac{3}{8}$
- D. $\frac{2}{5}$

Correct Answer: B

**QUESTION 4**

In the equation $3x + 7y = 21$, at what point is the x-axis intersected?

- A. (7, 0)
- B. (0, 7)
- C. (0, 4)
- D. (4, 0)

Correct Answer: A

Explanation:

The x axis is intersected at the point where the y-coordinate is 0 ($y = 0$). Substitute 0 for the y variable in the equation.

$$3x + 7y = 21 = 3x + 7(0) = 21 = 3x = 21.$$

Therefore, $x = 7$. The point's coordinates are (7, 0).

QUESTION 5

A square box has 10-inch sides. What is its volume?

- A. 1,000 cubic inches
- B. 10 cubic inches
- C. 100 cubic inches
- D. 10,000 cubic inches

Correct Answer: A

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