

ASVAB-SECTION-6^{Q&As}

ASVAB Section Six : Mathematics Knowledge

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QUESTION 1

A cube has a volume of 64-cubic inches.

What\\'s the length of one side of the cube?

- A. 4 inches
- B. 16 inches
- C. 8 inches
- D. 32 inches

Correct Answer: A

Explanation:

Volume equals length x width x height (V = lwh). Finding the cube root of 64 shows that each edge

measures 4 inches.

QUESTION 2

If 2 + x ? 4, what is the value of x?

A. 6

B. 2

C. 4

D. 1?2

Correct Answer: B

Explanation:

Solve as you would solve for any unknown. 2 + x ? 4 = 2 + x - 2 ? 4 - 2. Or, x ? 2. To check your answer,

substitute 2 for x.

2+2?4. True, so the answer is correct.

QUESTION 3

Which is equivalent to 43/8?

A. 12/8

B. 3/32



C. 3/20

D. 35/8

Correct Answer: D

Explanation:

Multiply 8 x 4 to get 32/8 + 3/8 = 35/8

QUESTION 4

What is another way to write 3?12?

A. 6?3

B. 3?4

C. 12?3

D. 12

Correct Answer: A

Explanation:

The square root of 12 is the same as the square root of (4 x 3), which is the same as the square root of 4

times the square root of 3. The square root of 4 is 2.

So 3 times the square root of 12 is the same as 3 times 2 times the square root of 3.

QUESTION 5



What is the diameter of the circle with center at point A if the distance from point A to point Y is 7?



A. 14		
B. 7		
C. 21		
D. 49		
Correct Answer: A		

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Questions

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