ASVAB-SECTION-6$^{Q\&As}$

ASVAB Section Six : Mathematics Knowledge

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QUESTION 1

6/9 + 12/9 = _____.

A. 12/9

B. 24/9

C. 1

D. 2

Correct Answer: D

Explanation: 6 + 12 = 18 18/9 = 2

QUESTION 2

What is the value of $(0.1)^3$?

A. 0.3

B. 0.003

C. 0.1

D. 0.001

Correct Answer: D

Explanation:

The exponent in $(0.1)^3$ means you use 0.1 as a multiplier 3 times.

$(0.1)^3$= (0.1) (0.1) (0.1) = 0.001

When multiplying decimals, count off one decimal place in the answer for each decimal place in the

numbers you multiply.

QUESTION 3

What is another way to write 2.25×100^2?

A. 225

B. 2,250

C. 22,500

D. 225,000

Correct Answer: C

Explanation: 1002 = (100)(100), or 10,000 (10,000)(2.25) = 22,500

QUESTION 4

Solve the following inequality.

x + 5 > 7

A. x = 2

B. x > 2

C. x - 7 > 5

D. x - 5 > 7

Correct Answer: B

Explanation:

The expression (x + 5 > 7) is a statement of inequality, it means that x plus 5 is greater than 7 – not equal

to it. To solve this inequality, subtract 5 from both sides of the statement.

x + 5 > 7 x + 5 - 5 > 7 - 5 x > 2 Thus the statement of inequality is true for any value of x that is greater than 2. Try it with 3, for example. 3 + 5 > 7 8 > 7a true statement

QUESTION 5

1.5 x 103= _____.

A. 45

B. 150

C. 1,500

D. 15

Correct Answer: C

Explanation:

1.5 x 103= 1.5 x (10 x 10 x 10) = 1.5 x 1,000 = 1,500.