

# **ASVAB-SECTION-6**<sup>Q&As</sup>

ASVAB Section Six : Mathematics Knowledge

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#### **QUESTION 1**

If -7x = 49, then x =
A. 7
B. 0
C7
D. 14
Correct Answer: C

#### **QUESTION 2**

The reciprocal of 1?6 is
A. 1
B. 3
C. 6
D. 1?3
Correct Answer: C
Explanation:

A reciprocal is the number by which a number can be multiplied to produce 1.

So the reciproca	of 1?6 is 6 because	$1?6 \times 6 = 1.$
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#### **QUESTION 3**

If x = 12, what is the value of p in this equation? p = x2/6 - 4

A. 24

- B. 22
- C. 28
- D. 20

Correct Answer: D



#### **QUESTION 4**

$(3 \times 3)(5 - 3)(6 + 2) = x2.$
What\\'s the value of x?
A. 6
B. 12
C. 144
D. 64
Correct Answer: B
Explanation:
First solve the left side of the equation: $(9)(2)(8) = 144$ . So $x^2 = 144$ .
Find the square root of each side: $x = 12$ .

#### **QUESTION 5**

For a special operations air assault mission, one extra soldier for the security element is to be chosen at random from among three soldiers from the 327th Infantry Regiment, two soldiers from the 502nd Infantry Regiment, and five soldiers from the 187th Infantry Regiment.

What is the probability that a soldier from the 327th Infantry Regiment will be chosen?

A. 3/10

B. 1/10

C. 1/3

D. 3/7

Correct Answer: A

Explanation:

The probability of an event occurring is the number of "favorable\\\\\ outcomes divided by the total possible

number of outcomes. Since there are three soldiers from the 327th from which to choose, there are three

possible favorable outcomes for choosing a soldier from that unit.

Since the choice will be made from among a total of 10 soldiers, there are 10 different possible outcomes.

The probability of choosing a soldier from the 327th Infantry Regiment is 3/10.



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