

ASVAB-SECTION-6^{Q&As}

ASVAB Section Six : Mathematics Knowledge

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QUESTION 1

If $(5 + 1)(6 \div 3)(8 - 5) = (3 + 3)x$, then x =______. A. 12 B. 3 C. 4 D. 6 Correct Answer: D Explanation: Solve the first half of the equation. (6) (2) (3) = 36. Therefore, 36 = (3 + 3)x, which turns into 36 = 6x. Isolate x. $36 \div 6 = 6x \div 6$ 6 = x

QUESTION 2

An audience consists of M people, and 2/3 of the audience are adults. C the adults, 1/2 are males.

How many adult males are in the audience?

To check your answer, substitute 6 for x.

A. 1/6 M

B. M - 2/3 -1/2

C. 1/3 M

D. M - 1/3

Correct Answer: C

Explanation:

If 2/3 of M people are adults, then 20M represents the number of adults. If 1/2 of (2/3) M are males, then

1/2 x (2/3) M represents the number of adult males.

1/2 x 2/3 M = 1/3 M

QUESTION 3





What type of quadrilateral is the figure above?

- A. square
- B. rhombus
- C. trapezoid
- D. parallelogram
- Correct Answer: D
- Explanation:

Parallelograms have opposite sides of equal length.

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



In the diagram of parallel lines provided, what is the measure of angle z?

A. 180°

B. 90°

C. 110°

D. 70°

Correct Answer: C

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