# PRAXIS-MATHEMATICS-SECTION ${ }^{\text {Q\&As }}$ 

Pre-Professional Skills Test (PPST) - Mathematics Section

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## QUESTION 1

Which of the following numbers has the greatest absolute value: $17,-9,15.5,-20,19$ ?
A. -20
B. 19
C. 15.5
D. -9
E. 12

Correct Answer: A
Explanation: Absolute value is the number of integers away from zero, so the absolute value of -20 is greater than the absolute value of 19 by one unit.

## QUESTION 2

John<br>'s sock drawer contains 4 pairs of green socks, 7 pairs of black socks, and 7 pairs of red socks. If John reaches into the drawer at random, what are his chances of NOT selecting a pair of green socks?
A. $1 / 3$
B. $7 / 9$
C. $2 / 5$
D. $10 / 18$
E. $3 / 4$

Correct Answer: B
Explanation: 14 of the 18 pairs of socks are not green; the fraction $14 / 18$ can be simplified as $7 / 9$.

## QUESTION 3

The five starters on a basketball team each scored at least 5 points and no more than 17 points in a basketball game. Which of the following values is a reasonable estimate of the average score of each player?
A. 6
B. 17
C. 20
D. 22
E. 12

Correct Answer: E
Explanation: It is reasonable to assume that the average score will be close to the middle of the range.

## QUESTION 4

Reggie has enough flour to last for 40 days. If he increases his use of flour by $25 \%$, however, how many days $\backslash \backslash$ ' worth of flour will he have?
A. 30 days
B. 28 days
C. 32 days
D. 48 days
E. 36 days

Correct Answer: C
Explanation: Reggie will be using flour at $5 / 4$ the normal rate. Since the amount of flour used is inversely proportional to the amount of time it takes to go through the flour, the duration can be found by multiplying 40 by the inverse of $5 / 4$, or $4 / 5$.

## QUESTION 5

What is the volume of a rectangular solid that is 8 inches long, 6 inches wide, and 4 inches tall?
A. 192 cubic inches
B. 184 cubic inches
C. 194 square inches
D. 192 square inches
E. 194 cubic inches

Correct Answer: A
Explanation: Volume is found by multiplying length, width, and height.

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