

PRAXIS-MATHEMATICS-SECTION Q&As

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QUESTION 1

Randy got the following test scores in science class: 76, 98, 78, 80, and 54. What is the median test score?

A. 77 B. 98 C. 54 D. 84 E. 78

Correct Answer: E

Explanation: The median is the piece of data that is in the middle position when the entire set is placed in order from least to greatest.

QUESTION 2

Solve for x: (7x/5) + 9 = 23 A. 10 B. 9 C. 11 D. 7

E. 8

Correct Answer: A

Explanation: In order to find x, you must subtract 9 from 23, then multiply the difference by 5, and finally divide the product by 7.

QUESTION 3

Find the slope: 4x - 5y = 20

A. 5/4

B. 4/5

C. - 4/5

D. - 5/4

E. - 4

Correct Answer: B

Explanation: The equation form for slope is y = mx + b, in which m is slope.

QUESTION 4

Identify the missing term in the following geometric progression: 16, -4, 1, -1/4, ...

- A. 1/8
- B. 2/6
- C. 1/16
- D. 2/6
- E. 1/3
- Correct Answer: C

Explanation: Each successive term is found by dividing the previous term by -4.

QUESTION 5

- 4 2/3 2 ½ =
- A. 1 1/6
- B. 1 1/2
- C. 2 2/3
- D. 2 1/6
- E. 2 1/4
- Correct Answer: D

Explanation: Convert both fractions so that they have a common denominator of 6.

QUESTION 6

54 is 75% of what number?

- A. 80
- B. 75
- C. 70
- D. 100

E. 72

Correct Answer: E

Explanation: Multiply 54 by 100 and then divide by 75.

QUESTION 7

3/8 + 1/3 + 1/8 =
A. 5/6
B. 3/4
C. 1/2
D. 3/5
E. 2/5

Correct Answer: A

Explanation: Convert the fractions so that they have a common denominator of 24.

QUESTION 8

If Edgar eats 8 2/3 doughnuts in a week and Ellen eats 4 ½ doughnuts in a week, how many more doughnuts will Edgar have eaten?

- A. 3 1/5
- B. 4 1/6
- C. 4 1/2
- D. 4
- E. 4 3/4
- Correct Answer: B

Explanation: Convert the fractions to the lowest common denominator, sixths, before you subtract.

QUESTION 9

Gerald received the following test scores in math class: 76, 86, 89, 81, and 99. What was Gerald\\'s average test score, rounded to the nearest point?

A. 85

B. 88

C. 84

D. 87

E. 86

Correct Answer: E

Explanation: Add all of the scores together and divide by the number of scores.

QUESTION 10

If x = -5, then |x - 7| = A. -12 B. 2 C. 10 D. -2 E. 12

Correct Answer: E

Explanation: Remember that absolute value is the distance from zero on a real number line, and therefore cannot be zero.

QUESTION 11

8.26 x 76.8 =

A. 6343.68

- B. 63.4368
- C. 634.368
- D. 634,368
- E. 6.34368

Correct Answer: C

Explanation: Remember that since the terms of the problem have three units to the right of the decimal point, the answer will as well.

QUESTION 12

Which of the following units of measurement could not be used to report the length of a pencil?

- A. inches
- B. centimeters
- C. millimeters
- D. liters
- E. square meters
- Correct Answer: D

Explanation: Liters are a unit of volume, not length.

QUESTION 13

If $x = 3$ and $y =$	-1, then 3x2	+ 2xy - 5 = ?
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A. 18

B. 24

C. 12

D. 14

E. 16

Correct Answer: E

Explanation: Substitute the given values into the equation, and then remember to observe the order of operations.

QUESTION 14

8.5 x 9.07 =

- A. 77.95
- B. 770.95
- C. 77.095
- D. 777.095
- E. 7.095

Correct Answer: C

Explanation: Remember that since the terms of the problem have three units to the right of the decimal point, the answer will as well.

QUESTION 15

Solve and simplify: 2/3 x 3/5 x 5/10 x 6/8 =

A. 0.2

B. 0.5

C. 0.15

D. 0.25

E. 0.333333333

Correct Answer: C

Explanation: Fractions are multiplied by multiplying numerators by numerators and denominators by denominators. Some of the fractions in this problem can be simplified.

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