

ATI TEAS 7 Math Exam 2

Section: ATI TEAS 7 Math Exams • Total Questions: 10 • Format: Verified Q&A

1. Which of the following values best approximates the weight of the oranges in the image below? [Image: Scale with bowl of ~5-6 oranges pointing between 1 and 2 pounds]

- (A) 0.5 pounds
 - (B) 1 pound
 - (C) 2.5 pounds
 - (D) 2 pounds
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2. Which of the following percentages is equivalent to 0.05?

- (A) 0.50%
 - (B) 0.00%
 - (C) 5%
 - (D) 0.01%
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3. A garden is designed in the shape of a quadrilateral. The garden can be divided into two right triangles, each with the base of 6 meters and height of 4 meters. Which of the following is the total area of the garden in square meters?

- (A) 20 square meters
 - (B) 12 square meters
 - (C) 48 square meters
 - (D) 24 square meters
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4. A bag contains five green balls, four red balls, and three yellow balls. If one ball is randomly selected from the bag, what is the probability that the ball is red?

- (A) $\frac{12}{4}$
 - (B) $\frac{12}{5}$
 - (C) $\frac{4}{1}$
 - (D) $\frac{2}{1}$
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5. When a person increases cycling speed, the rate of calories burned, distance traveled, and energy expended also increase. Which of the following is the independent variable?

- (A) Speed
 - (B) Energy
 - (C) Distance
 - (D) Calories
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6. A temperature gauge reads 95 F. Which of the following is the correct conversion to degrees Celsius?
(Note: $C = (F - 32) \times 5/9$)

- (A) 34C
 - (B) 63C
 - (C) 113C
 - (D) 35C
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7. What is the length of the unknown leg of a right triangle that has one leg measuring 8 feet and a hypotenuse of 12 feet? (Round to the nearest tenth)

- (A) 40 feet
 - (B) 4 feet
 - (C) 14.4 feet
 - (D) 8.9 feet
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8. An employer wants to purchase one cup of coffee for each of their 214 employees. A cup of coffee costs \$3.95. To estimate the total cost, the employer plans to round the number of employees to the nearest ten and round the cost of the coffee to the nearest dollar. Which of the following prices represents the estimated total cost for the coffee?

- (A) \$845.30
 - (B) \$840.00
 - (C) \$829.50
 - (D) \$850.00
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9. Two friends get frozen yogurt. The ratio of yogurt to toppings is 4:3. If one friend has 4.5 oz of toppings in their bowl, what is the amount of yogurt in their dessert?

- (A) 6 oz
 - (B) 5.5 oz
 - (C) 3 oz
 - (D) 3.5 oz
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10. Solve the equation $2(4x + 3) = 7x + 5$ for x . Which of the following is correct?

- (A) -1
- (B) 1
- (C) 11
- (D) 2