GMAT QUANT PRACTICE PAPER

GMAT DATA SUFFICIENCY

1. **Find the area of a right angle triangle whose base is 12 inches.**

.1.The hypotenuse is 13 inches.
2. The perpendicular height of the triangle is one less than half its base.

Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient to answer the question asked.

Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient to answer the question asked.

BOTH statements (1) and (2) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient to answer the question ask

EACH statement ALONE is sufficient to answer the question asked.

Statements (1) and (2) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

2. **Is the number a prime number?**

1. The number is divisible by a prime factor.
2. The number is positive

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3. Find the direction in which the parabola $y = ax^2 + bx - 2$ is facing.
1. $a = b$
2. $a < 0$

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4. **Find the equation of a line.**

1. Its x and y intercept is 2 and -2 respectively.
2. The slope of the line is 1.

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5. **Determine the size of an interior angle of the polygon.**

1. The ratio of its interior angle to the exterior angle is 2:1.
2. The polygon is a regular hexagon

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6. **Find out if t < 0.**

1. $|t| > t$
2. $t^2 > 0$

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7. **Determine the value of t.**

1. $2t + 6s = 8$

2. t/2 - 2 = - 3s/4

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8. **Find the percentage change in the volume of cylinder.**
   1. The diameter is increased by 20%.
   2. The height is increased by 21%.

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9. **a < b. Is a positive?**
   1. b = 0.
   2. $\sqrt{a} < a$

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10. **Determine the equation of the circle passing through (-4,-2).**

1. (1,-1) lies in the circle.
2. The center of the circle is the origin.

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GMAT PROBLEM SOLVING

1. **A racecar driver has completed 12 1/2 laps of a 50 lap race. What fractional part of the race remains?**

1/4

1/5

3/4

4/5

75/2

2. **If M is the set of positive multiples of 2 less than 150 and N is the set of positive multiples of 9 less than 150, how many members are there in M n N?**

- 0
- 8
- 9
- 18
- 74

3. **At Bruno's Video World, the regular price for a DVD is d dollars. How many DVDs can be purchased for x dollars when the DVDs are on sale at 20% off the regular price?**

- 4/5x
- 5/4x
- 4/5d
- 4x/5d
- 5x/4d

4. **Please answer the following math question:**

If x ≠ 2y, then

$$\frac{x-2y}{2y-x} + \frac{2y-x}{x-2y} =$$

- 2(x-2y)
- 2y-x
- 1
- 0
- -2

5. **If Dave drove one-third of the distance of his trip on the first day, and 60 miles on the second day, he figured out that he still had 1/2 of the trip to drive. What was the total length, in miles, of his trip?**

- 360
- 180
- 120
- 60
- 90

6. **Please answer the following math question:**

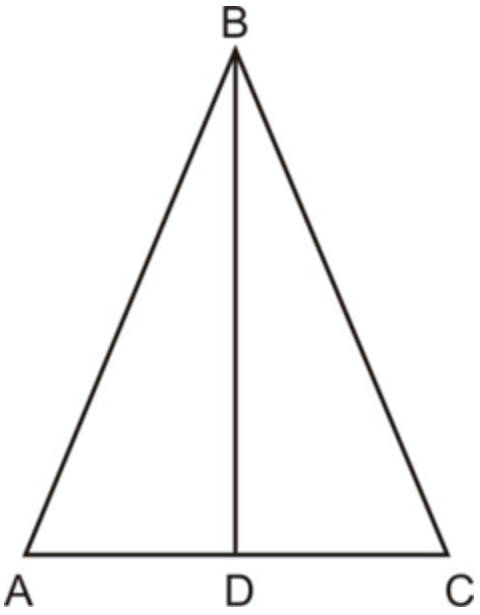
If $x^2 - y^2 = 48$, the $2/3(x+y)(x-y) =$

- 16
- 72
- 96
- 32
- 64

7. **Eddie is 7 years older than Brian. If Brian is x years old, then how old was Eddie 11 years ago?**

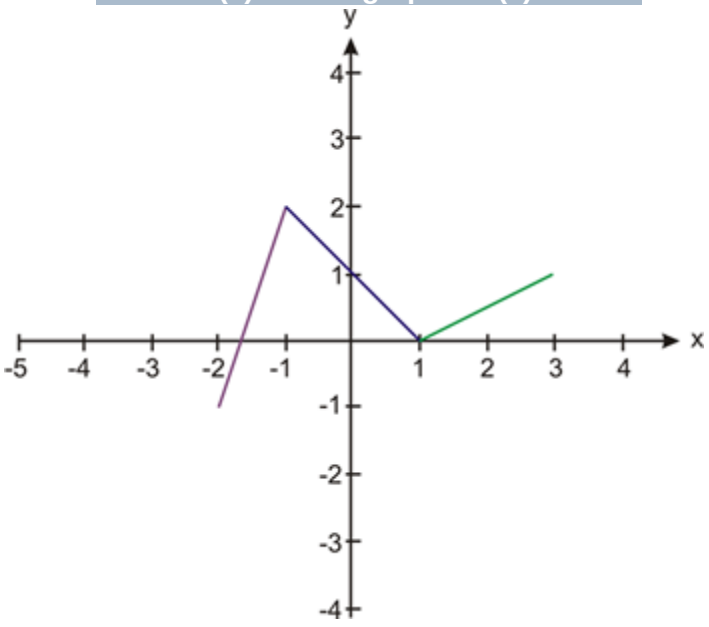
- x - 18
- x - 4
- x - 7
- 7x - 11
- x + 18

8. **Find the perimeter of Isosceles triangle ABC (below) if mAD = 3 and m < BAC = 55 degrees. Round to the nearest hundredth.**



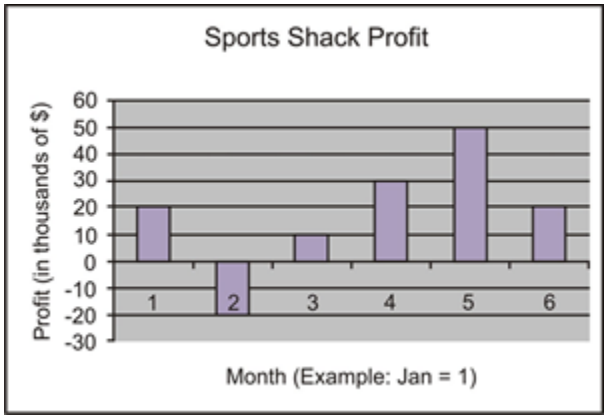
- 5.21
- 10.42
- 13.48
- 16.46
- 13.39

9. **What is f(2) for the graph of f(x) below?**



- 1
- 1/2
- 0
- 2
- -1

10. **According to the graph below, the greatest change in the profit of the Sports Shack occurred between which two consecutive months?**



- January and February
- February and March
- March and April
- April and May
- May and June