

GMAT QUANT PRACTICE PAPERS

GMAT DATA SUFFICIENCY

1. **The area of a triangle is equal to the area of the rectangle. Find the perimeter of the rectangle.**

1. The perimeter of the square is 24 inches.
2. The sum of the length and the width is 13 inches.

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2. **A particle moving in air increases its speed within 30 minutes. Find its acceleration.**

1. Its initial velocity is 20miles per hour and its final velocity is 25 miles per hour.
2. The particle increases its speed by 5 miles per hour.

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3. **Are the two lines L1 and L2 parallel?**

1. Both lines lie in the first, second and fourth quadrants.
2. The y intercepts of the lines L1 and L2 are 8 and 4 respectively.

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4. **s, p and q are interior angles of an Isosceles triangle. Find the value of q.**

1. $s = 72^\circ$.
2. p and q are base angles of the triangle.

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5. **Is A an obtuse angle?**

1. A is more than 90° .
2. A is a supplement of an angle B, an acute triangle.

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6. **Determine the value of angle k.**

1. Angle k and m lies on a straight line.
2. Angle $m = 39^\circ$.

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7. A straight line L passes through $(2,8)$ and the origin. Find the equation of a line perpendicular to L .

1. The line passes through the origin.
2. The line passes through $(2,-0.5)$.

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8. Two pipes supply waters to a cistern whose capacity of 15 cubic feet. How long does it take the two pipes to fill the cistern?

1. The first pipe supplies water at a rate (per minute) that is thrice faster than the second pipe.
2. The pipes fill 8 cubic feet of the tank in ten minute.

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9. Is $2x + 1 > 0$.

1. x is an integer
2. $|x| < 1.5$

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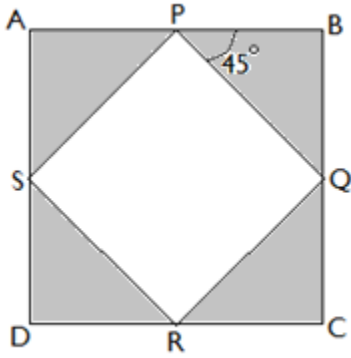
10. Two numbers 12 and t are two positive numbers with some similar properties. What is the value of t .

1. The Least Common Multiple of the two numbers is 48.
2. The Greatest Common multiple of the two numbers is 4.

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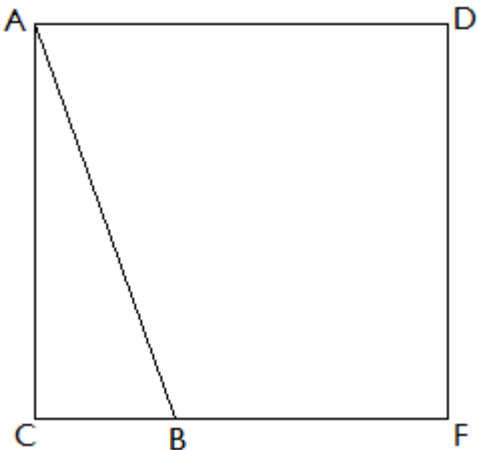
GMAT PROBLEM SOLVING

1. A square PQRS is enclosed in another square ABCD. Find the ratio of the area of PQRS to the area of ABCD.



- 1/2
- 1/4
- 1/3
- 2/3
- $1/\sqrt{2}$

2. What is the ratio of the area of triangle ABC to the area of square ADFC if $CB = (CF)/4$



- 1/4
- 1/8
- 1/16
- 2/5
- 3/8

3. If the product of two integers x and y is less than 82 with y being a multiple of three. What is the highest value that x may have?

- 13
- 42
- 27
- 30
- 34

4. Adam is 2 years older than Mike. The square of Adam's age is 28 greater than the square of Mike's age in years. What is the sum of Adam's age and Mike's age?

- 8
- 12
- 14
- 18
- 22

5. Adam has bought a certain number of apples. Jen has bought 5 times the fruit that Adam has bought. If Jen has bought two and a half dozen apples how many apples does Adam have?

- 6 apples
- 8 apples
- 12 apples

- 24
- 30 apples

apples

6. What would be the circumference of a circle that has been inscribed in a square of area 5.

- 3π
- 5π
- $\sqrt{5}$
- $\pi+3/2$
- $\sqrt{5/2} \pi$

π

7. What could be the possible value of 'y' after the intersection of points

$$y = -x^2 + 3 \text{ and } y = x^2 - 5$$

- $\sqrt{2}$
- $3/2$
- 4
- $\sqrt{8}$
- 1

8. A house is built by 20 workers in 30 days. How many workers will be needed to complete the work in 15 days?

- 20
- 34
- 40
- 45
- 52

9. Master Chef Alan makes a dish every day from one of his recipe books. He has written 3 books and each book contains 15 different recipes. What is the probability that he will cook 4th dish from 3rd book today?

- 1/15
- 3/45
- 3/13
- 1/45
- 1/3

10. In a Christmas sale, the prices of Dell Laptops were reduced by 10% for public. However, for Dell employees, the price was further reduced by 5%. If the original price of a laptop was \$330 before Christmas sale, approximately how much would it cost in a Christmas sale to a Dell employee?

- \$271
- \$277
- \$282
- \$287
- \$295