GRE QUANT PRACTICE PAPER

Question 1 of 15
Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

$$10^x = 10,000,000,000$$

Quantity A: x
Quantity B: 12

- ○ The relationship cannot be determined from the information given

- ○ The two quantities are equal

- ○ Quantity B is greater

- ○ Quantity A is greater

Question 2 of 15
Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

Line A is represented by the following equation:
$10y + 20x = 50$

Quantity A: The *y*-intercept of Line A
Quantity B: The slope of Line A

- ○ Quantity A is greater

- ○ The relationship cannot be determined from the information given

- ○ The two quantities are equal

- ○ Quantity B is greater

Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

Figure is not drawn to scale

Quantity A	**Quantity B**
y/x	3

- ○ The two quantities are equal

- ○ Quantity B is greater

- ○ Quantity A is greater

- ○ The relationship cannot be determined from the information given

Still having trouble? Buy our GRE Study Guide.

Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

The following table displays the income Jane's business earned and the percentage of that income she paid in taxes for the first half of the year.

Month	Income earned ($)	Percentage paid in taxes (%)
January	10,000	10
February	50,000	30
March	20,000	20
April	10,000	10
May	30,000	20
June	90,000	40

Quantity A: The average of the income tax Jane paid
Quantity B: 22% of Jane's average income

o   ○   Quantity B is greater

o   ○   The two quantities are equal

o   ○   Quantity A is greater

o   ○   The relationship cannot be determined from the information given

If q is the smallest composite number greater than 2 and p is the smallest prime number less than 10, what is p/q?

- ○   4

- ○   2

- ○   1

- ○   0.5

$(1/25^n) > 1$

For which value of n is the above statement true?

- ○ $n = 1/2$

- ○ $n = -1/2$

- ○ $n = \sqrt{2}$

- ○ $n = 1$

Figure NOT drawn to scale

Lines l and m are parallel. O is the center of the circle. The measure of angle d is 45°. The length of line RS is √2/2. Line RS forms a right angle with line m.

What is the measure of angle a?

- ○ 45°

- ○ 90°

- ○ 60°

- ○ 30°

Figure NOT drawn to scale

Lines l and m are parallel. O is the center of the circle. The measure of angle d is 45°. The length of line RS is √2/2. Line RS forms a right angle with line m.

What is the length of line PR?

- ○ √(2)/2

- ○ 2√2

- ○ √2

- ○ 1

Figure NOT drawn to scale

Lines l and m are parallel. O is the center of the circle. The measure of angle d is 45°. The length of line RS is √2/2. Line RS forms a right angle with line m.

What is the diameter of circle O?

- ○ 1

- ○ 2√2

- ○ 1√2

- ○ √2/₂

Directions: If the question specifies how many answer choices to select, select exactly that number of choices. If the question does not specify how many answer choices to select, select all that apply.
â€¢   The correct answer may be just one of the choices or may be as many as all of the choices
â€¢   No credit is given unless you select all of the correct choices and no others

Figure NOT drawn to scale

Circle A represents students who major in liberal arts at a certain university. Circle B represents students who major in the life sciences at that university, and circle C represents engineering majors at the same university.

What does A∪B represent?
- ○   Only life science students

- ○   Only liberal arts students

- ○   All liberal arts and life science students

- ○   Only the subset of liberal arts and life science double-majors

Directions: If the question specifies how many answer choices to select, select exactly that number of choices. If the question does not specify how many answer choices to select, select all that apply.
â€¢   The correct answer may be just one of the choices or may be as many as all of the choices
â€¢   No credit is given unless you select all of the correct choices and no others

Figure NOT drawn to scale

Circle A represents students who major in liberal arts at a certain university. Circle B represents students who major in the life sciences at that university, and circle C represents engineering majors at the same university.

What does A∩B represent?

- ○ Only life science students

- ○ All liberal arts and life science students

- ○ Only liberal arts students

- ○ The subset of liberal arts and life science double-majors

Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

$A ☼ B = (AB)^2 + (A + B)^2$

Quantity A	**Quantity B**
$2 ☼ 5$	150

- ○ Quantity A is greater

- ○ Quantity B is greater

- ○ The two quantities are equal

- ○ The relationship cannot be determined from the information given

Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

The electrical engineering department at a certain graduate school in the United States (US) has a total of 36 students. The department has twice as many male students as female students and three times as many international students as students who are US citizens.

Quantity A	**Quantity B**
The number of students who are US citizens	**The number of female students**

- ○ The relationship cannot be determined from the information given

- ○ Quantity A is greater

- ○ The two quantities are equal

- ○ Quantity B is greater

Question 14 of 15
Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

R is the center of the circle below:

Figure NOT drawn to scale

Quantity A	**Quantity B**
Half the circumference	**The area of triangle QRS**

- ○ Quantity A is greater

- ○ Quantity B is greater

- ○ The two quantities are equal

- ○ The relationship cannot be determined from the information given

Question 15 of 15
Compare Quantity A and Quantity B, using additional information centered above the two quantities if such information is given, and select one of the four answer choices:

A symbol that appears more than once in a question has the same meaning throughout the question.

The graph below shows the gross domestic product (GDP) in trillions of US dollars for four countries between 2000 and 2008.

<div style="text-align:center">

Quantity A
The combined GDP of Japan, China, and Canada in 2008

Quantity B
The GDP of the US in 2008

</div>

- ○ Quantity A is greater

- ○ The two quantities are equal

- ○ The relationship cannot be determined from the information given

- ○ Quantity B is greater