GRE 2024 Quant Practice Test 6

Time Allowed :	Maximum Score :	Sections :
About 3 hrs 45 mins	340 (Verbal+Quant) + 6 (AWA)	3 Main + 1 Unscored

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The GRE General Test has a duration of about 3 hours 45 minutes, divided into six sections (including one unscored/experimental section).

2. The test consists of the following sections:

   - **Analytical Writing Assessment (AWA)** – 2 tasks, 30 minutes each.
   - **Verbal Reasoning** – 2 sections, 20 questions each, 30 minutes per section.
   - **Quantitative Reasoning** – 2 sections, 20 questions each, 35 minutes per section.
   - **Unscored/Research Section** – May appear anytime (not counted in score).

3. Scoring Pattern:

   - Verbal Reasoning: 130–170 (in 1-point increments).
   - Quantitative Reasoning: 130–170 (in 1-point increments).
   - Analytical Writing: 0–6 (in half-point increments).

4. No negative marking is applied in the GRE. Test-takers are advised to attempt all questions.

5. Only an on-screen calculator is allowed for Quantitative Reasoning. No physical calculators, mobile devices, or electronic gadgets are permitted.

6. Breaks: A 10-minute break is provided after the third section; one-minute breaks between other sections.

QUANT PRACTICE PAPER

1. Two different juice concentrates, A and B, are used to form two different mixtures P and Q. To make P, xx ml of A and 40 ml of B are used; while to make Q, 90 ml of A and xx ml of B are used. It was observed that the juice concentration in each mixture, P and Q, is the same.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.

(D) The relationship cannot be determined from the information given.

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2. $p, q, r, p, q, r,$ and s are four numbers such that

$$pq^2 - |q| > q^2r - |s|pq2 - |q| > q2r - |s| \quad \text{and} \quad |q| > |s||q| > |s|$$

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.

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3. Let x and y be two numbers such that $x^{\frac{1}{2}} > y$.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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4. Compare the following quantities:

Quantity A: 10111011

Quantity B: 23r237

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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5. A die is rolled four times and the numbers appearing on each roll are noted.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.

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6. For test takers in a national level contest, the scores were observed to be normally distributed with a median score of 65 and a standard deviation of 4.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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7. The operator '#' is such that $2\#3 = 12\#3 = 1$ and $2\#(-3) = 12\#(-3) = 1$. It is known that $x\#y$ could imply one among $|x-y|, |x-y|, |y|, |x|, |y| - |x|$, and $||x| - |y||$.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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8. A right-angled isosceles triangle and an equilateral triangle have equal perimeters.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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9. The three sides of a triangle are of length $(2x-1), (2x-1), (7-x)(7-x)$, and $(x+3)(x+3)$.

(A) Quantity A is greater.
(B) Quantity B is greater.
(C) The two quantities are equal.
(D) The relationship cannot be determined from the information given.

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10. Let x and y be numbers such that $|x+y| = 12$, $|x+y| = 12$, and $|x| - |y| = 4$.
Quantity A :xyxy
Quantity B:22 (A) Quantity A is greater.

(B) Quantity B is greater.
(C) The two quantities are equal.

(D) The relationship cannot be determined from the information given.