GRE 2024 Quant Practice Test 4

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. If $w = 18$, then which of the following is equal to $w \times 3$?

(A) 116
(B) 132
(C) 12
(D) 164

(E) 14

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2. It takes no more than 40 minutes to run a race, but at least 30 minutes. What equation will model this in m minutes?

(A) $|m - 35| < 5$
(B) $|m - 35| > 5$
(C) $|m + 35| < 5$
(D) $|m + 35| > 5$
(E) $|m - 35| = 5$

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3. Solve the inequality $6(x - 1) < 7(3 - x)$.

(A) $x < 127$
(B) $x > 1327$
(C) $x > -1117$
(D) $x < 2713$
(E) $x > -1327$

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4. Simplify:

$$\frac{x^3 \times 2x^4 \times 5y + 4y^2 + 3y^2}{y}$$

(A) $10x^7 + 7y$
(B) $15x^6 + 3y^2$
(C) $5x^7 + 7y$
(D) $3x^7 + y$
(E) $15x^6 + y^2$

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5. The arithmetic mean of $a, b, c,$ and d is 14.

Quantity A: 32, Quantity B: 39.

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

(C) Quantity A is greater
(D) The relationship between Quantity A and Quantity B cannot be determined.

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6. If one mile is equal to 5,280 feet, how many feet are 100 miles equal to in scientific notation?

(A) 528×10^3
(B) 5280×10^2
(C) 528,000
(D) 528×10^6
(E) 5.28×10^5

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7. If a cash deposit account is opened with $7500 for a three-year period at 3.5% interest compounded once annually, which of the following is closest to the positive difference between the interest accrued in the third year and the interest accrued in the second year?

(A) $11.41
(B) $0
(C) $281.2
(D) $81.41
(E) $9.51

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8. Let x and y be integers such that $0 \leq x \leq 5$ and $-4 \leq y \leq -1$.

Quantity A: $x - |y|$ Quantity B: 0.

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

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9. Choose the answer which best simplifies the following expression:

$$2p^2 + 3p^2a - 5p^3$$

(A) $15p - 10pa6a$
(B) $6p^2 + 9p + 10pa6a$
(C) $6p + 9p - 10pa6a$
(D) $6p^2 + 9p - 10p6$
(E) $6p^2 + 9p - 10pa6a$

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10. Simplify the following:

$$40 - \sqrt{20} - \sqrt{160}$$

(A) 0
(B) 5
(C) 10
(D) 4

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11. Simplify:

$$343x5 - \sqrt{49x3}$$

(A) $7x$
(B) $x7 - \sqrt{7}$
(C) $7x - \sqrt{7}$
(D) $7x$
(E) $x7$

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12. Which is greater, when $-1 < x < 0$?

Quantity A: $|x|$ Quantity B: x^2

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

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13. Solve:

$$2315 + 932 = ?$$

(A) 282
(B) 14
(C) 263
(D) 283

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14. Which of the following is true?
Quantity A: 49012
Quantity B: 4056

(A) Quantity B is larger.
(B) The relationship of the two quantities cannot be determined based on the information provided.
(C) The two quantities are equal.
(D) Quantity A is larger.

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15. Flour, eggs, sugar, and chocolate chips are mixed by weight in the ratio of 12:5:3:5, respectively. How many pounds of chocolate chips are there in 75 pounds of the mixture?

(A) 18
(B) 5
(C) 25
(D) 15
