GRE 2024 Quant Practice Test 5

[0.2cm]

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. Quantity A: $|10| - |16|$
Quantity B: $|1 - 5| - |3 - 6|$

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

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2. Quantity A: -7
Quantity B: $x + y - z$
$0 < x < y < z < 10$
x, y, and z are integers.

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

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3. Quantity A: 7 - 4 - (-3) - 8
Quantity B: 8 - (-8) - 1 + 2.

Which of the following is true?

(A) The two quantities are equal in size.
(B) The relationship between the quantities cannot be determined.
(C) Quantity A is larger.
(D) Quantity B is larger.

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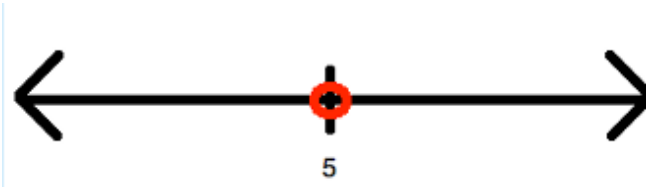
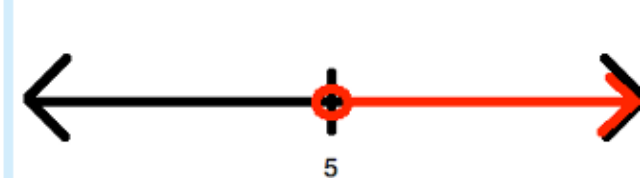
4. Which of the following is a graph for the values of x defined by the inequality $2x + 6 > 16$?

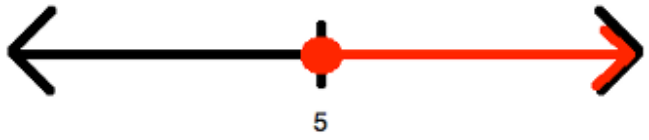
(A)



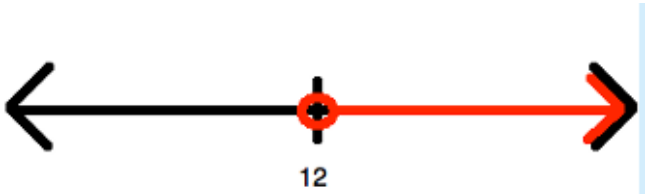
(B)



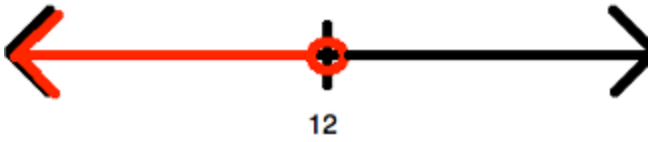
(C)



(D)



(E)



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5. The product of two consecutive positive integers is 272. What is the larger of the integers?

(A) 15
(B) 19
(C) 17
(D) 18
(E) 16

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6. What is the sum of the 40th and the 70th elements of the series defined as:

$$s_n = s_{n-1} - 5, \quad s_1 = 281$$

(A) 22
(B) 55
(C) 45
(D) 17
(E) 100

7. By what percentage did the total book sales of the three stores increase from 2005 to 2010?

	Books sold in 2000 (thousands)	Books sold in 2005 (thousands)	Books sold in 2010 (thousands)
Store A	6	8	11
Store B	8	12	13
Store C	9	10	12

(A) 33.3%
(B) 12%
(C) 20%
(D) 15%
(E) 25%

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8. Which of the following is true?

Quantity A: x, where x is 65% of 408.

Quantity B: y, where y is 40% of 663.

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

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9. A chamber of commerce board has seven total members, drawn from a pool of twenty candidates. There are two stages in the board's election process. First, a president, secretary, and treasurer are chosen. After that, four members are chosen to be "at large" without any specific title or district. How many possible boards could be chosen?

(A) 5,426,400
(B) 16,279,200
(C) 390,700,800
(D) 10,465,200
(E) 2,713,200

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10. Box A has 10 green balls and 8 black balls. Box B has 9 green balls and 5 black balls.

What is the probability if one ball is drawn from each box that both balls are green?

(A) $\frac{19}{252}$
(B) $\frac{5}{9}$
(C) $\frac{10}{49}$
(D) $\frac{5}{14}$
(E) $\frac{9}{14}$
