

GRE Quantitative Reasoning Practice Test 2 Question Paper with Solutions

Time Allowed :1 Hour 58 Minutes	Maximum Marks :340	Total Questions :54
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. The GRE General Test is 1 hour and 58 minutes long (with one optional 10-minute break) and consists of 54 questions in total.
2. The GRE exam is comprised of three sections:
 - Quantitative Reasoning: 27 questions, 47 minutes
 - Verbal Reasoning: 27 questions, 41 minutes
3. You can answer the two sections in any order.
4. As you move through a section, you can skip questions, flag them for review, and return to them later within the same section.
5. When you have answered all questions in a section, you can review your responses before time expires.
6. If there is no time remaining in the section, you will automatically be moved to your optional break screen or the next section (if you have already taken your optional break).
7. Each review screen includes a numbered list of the questions in that section and indicates the questions you flagged.
8. Clicking a question number will take you to that specific question.
9. You may change any answer within the time allowed for that section.

Quantitative Reasoning

1. What is the value of 4^2 ?

- (A) 10
- (B) 12
- (C) 16
- (D) 20

2. If a shirt originally costs \$50 and is discounted by 30%, what is the sale price?

- (A) \$35
 - (B) \$40
 - (C) \$45
 - (D) \$50
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3. Solve for (x): ($3x + 7 = 16$).

- (A) 2
 - (B) 3
 - (C) 4
 - (D) 5
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4. What is the solution to the equation ($x^2 - 4x - 5 = 0$)?

- (A) 1 and -5
 - (B) 1 and 5
 - (C) -1 and 5
 - (D) -1 and -5
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5. What is the area of a right triangle with base 8 units and height 6 units?

- (A) 24 square units
 - (B) 48 square units
 - (C) 28 square units
 - (D) 30 square units
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6. In a circle, if the radius is 7 units, what is the circumference? (Use $\pi \approx 3.14$)

- (A) 21.98 units
 - (B) 43.96 units
 - (C) 14 units
 - (D) 49 units
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7. The average of five numbers is 12. What is their total sum?

- (A) 60
 - (B) 48
 - (C) 54
 - (D) 72
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8. In a dataset with values 10, 15, 20, 25, and 30, what is the median?

- (A) 15
 - (B) 20
 - (C) 25
 - (D) 30
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9. If $(2x - 3 = 7)$, what is (x) ?

- (A) 4
 - (B) 5
 - (C) 6
 - (D) 7
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10. What is (15%) of 200?

- (A) 20
 - (B) 25
 - (C) 30
 - (D) 35
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11. What is the volume of a cylinder with a radius of 3 units and a height of 5 units? (Use $\pi \approx 3.14$)

- (A) 141.3 cubic units
 - (B) 282.6 cubic units
 - (C) 94.2 cubic units
 - (D) 235.8 cubic units
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12. What is the value of $(3x^2 - 2x)$ when $(x = 4)$?

- (A) 40
 - (B) 50
 - (C) 52
 - (D) 60
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13. What is the surface area of a cube with a side length of 6 units?

- (A) 72 square units
 - (B) 96 square units
 - (C) 108 square units
 - (D) 144 square units
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14. What is the range of the dataset {5, 8, 12, 20, 25}?

- (A) 15
 - (B) 17
 - (C) 20
 - (D) 25
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15. What is the length of the hypotenuse of a right triangle with legs of lengths 5 and 12 units?

- (A) 13 units
 - (B) 14 units
 - (C) 15 units
 - (D) 17 units
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16. Simplify $\left(\frac{6x^2-4x}{2x}\right)$.

- (A) $(3x - 2)$
 - (B) $(3x + 2)$
 - (C) $(3x - 1)$
 - (D) $(3x + 1)$
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17. The mean of a dataset is 14 and the sum of the dataset is 84. How many numbers are in the dataset?

- (A) 5
 - (B) 6
 - (C) 7
 - (D) 8
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18. The diagonal of a square is $10\sqrt{2}$ units. What is the side length of the square?

- (A) 10 units
 - (B) 5 units
 - (C) $5\sqrt{2}$ units
 - (D) 15 units
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19. Solve for (x) in the equation $4(x - 2) = 3x + 6$.

- (A) 18
 - (B) 12
 - (C) 10
 - (D) 8
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20. In a dataset with values 3, 7, 7, 10, and 14, what is the mode?

- (A) 3
 - (B) 7
 - (C) 10
 - (D) 14
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