

GRE Quant Practice Test for Non-STEM Students

This practice test is designed specifically for non-STEM students aiming to improve their GRE Quantitative Reasoning scores. It includes 20 questions, an answer sheet, and a detailed answer key with explanations.

Simulate real test conditions: time yourself, avoid using a calculator for basic arithmetic, and review your mistakes carefully.

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Instructions

- There are 20 questions. Attempt all questions.
- You may use rough paper for calculations.
- Simulate a timed session: 1.5 minutes per question.
- Use the answer sheet provided at the end to mark your answers.

Practice Questions

1. If $x^2 + 5x + 6 = 0$, what are the possible values of x ?
2. A jar contains 3 red, 4 blue, and 5 green balls. If one ball is picked at random, what is the probability it is not red?
3. Quantitative Comparison: Quantity A: $\frac{3}{4} + \frac{1}{6}$, Quantity B: $\frac{5}{6}$ (A) Quantity A is greater (B) Quantity B is greater (C) Equal (D) Cannot be determined
4. The sum of the angles in a pentagon is how many degrees?
5. A train travels 180 miles in 3 hours. What is its average speed in miles per hour?
6. Solve for y : $2y - 7 = 5$
7. If $3x + 2 = 11$, what is x ?
8. The perimeter of a rectangle is 20 cm. If its length is 6 cm, what is its width?
9. A box contains 10 pens. If 4 are blue and the rest are black, what fraction are black?
10. Quantitative Comparison: Quantity A: 5^2 , Quantity B: 25 (A) $A > B$ (B) $A < B$ (C) $A = B$ (D) Cannot be determined
11. If $a + b = 10$ and $a - b = 4$, what is the value of a ?
12. A bookstore sold 120 books in a week. If $\frac{1}{3}$ were novels, how many were novels?
13. Solve for x : $\frac{x}{5} = 7$
14. If a triangle has angles 40° and 60° , what is the third angle?
15. The area of a rectangle is 24 cm^2 . If length = 6 cm, find width.
16. A car travels 60 miles in 1.5 hours. What is its speed in mph?
17. Quantitative Comparison: Quantity A: $\frac{2}{3}$, Quantity B: 0.66 (A) $A > B$ (B) $A < B$ (C) $A = B$ (D) Cannot be determined
18. The sum of first 5 positive integers is?
19. If $7x = 21$, what is x ?
20. A shop sold 60 pencils. If 25% were red, how many red pencils were sold?

Answer Sheet

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Answer Key with Explanations

1. $x = -2$ or -3

2. $9/12 = 3/4$

3. C. The two quantities are equal

4. 540°

5. 60 mph

6. $y = 6$

7. $x = 3$

8. 4 cm

9. $6/10 = 3/5$

10. C. $A = B$

11. $a = 7$

12. 40 books

13. $x = 35$

14. 80°

15. 4 cm

16. 40 mph

17. A. $2/3 > 0.66$

18. $1+2+3+4+5 = 15$

19. $x = 3$

20. 15 pencils