

# GRE

## QUANTITATIVE QUESTION FORMATS

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# GRE COURSE SECTIONS

1. Introduction
2. Quantitative Reasoning
  1. Quantitative Questions Formats
  2. Arithmetic & Algebra
  3. Geometry
  4. Data Interpretation
3. Verbal Reasoning
  1. Verbal Questions Formats (Sentence Equivalence & Text Completion)
  2. Reading Comprehension
4. Analytical Writing
  1. General Writing
  2. Argument Writing
  3. Issue Writing
5. General Writing
  1. Writing Ideas
  2. Cohesion & Coherence
  3. Writing Sentence Variety
  4. Grammar
  5. Punctuation
  6. The magic of 3

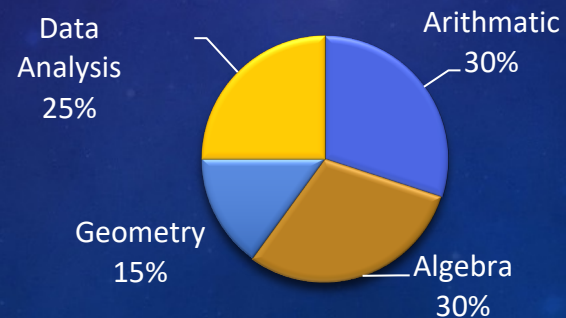
# QUANTITATIVE REASONING

- Single Choice Questions (1 Answer)
- Multi Choice Questions (More Than 1 Answer)
- Numerical Data Entry
- Quantitative Comparison (Quant Comp)
- Data Interpretation Questions

# QUANTITATIVE REASONING MATRIX

Answer Format/Question Type	Arithmetic	Algebra	Geometry	Data Analysis
Single Choice Questions (1 Answer)				
Multi Choice Questions (More Than 1 Answer)				
Numerical Data Entry				
Quantitative Comparison				
Data Interpretation Questions				

## Quantitative Reasoning



# SINGLE CHOICE QUESTIONS (1 ANSWER)

**Example:**

If  $\frac{b}{a+b} = \frac{7}{12}$  then what does  $\frac{a}{b}$  equal?

- $\frac{7}{19}$
- $\frac{5}{12}$
- $\frac{5}{7}$
- $\frac{7}{5}$
- $\frac{19}{12}$

# MULTI CHOICE QUESTIONS (MORE THAN 1 ANSWER)

Do not simply choose the first correct answer that you see and move on.

Carefully consider EACH answer choice to see whether it could be correct. Remember, these questions may have up to five correct answers!

**Example:** Which of the following is equivalent to  $12\frac{1}{2}\%$ ? Select all that apply.

- $\frac{1}{8}$
- 0.125
- $\frac{125}{100}$
- 12.5
- $\frac{25}{200}$

Answer: A, B, E

# NUMERICAL DATA ENTRY

## Example:

George earns \$15 an hour for each regular time hour he works; he earns time and one-half for each overtime hour. Overtime hours start after he has worked 32 hours in a week. What is George's pay this week if he works 45 hours?

\$

## Solution:

George works  $45 - 32 = 13$  overtime hours. Because overtime hours are paid at a rate of time and one-half, the pay rate is  $1.5 \times \$15 = \$22.50$  per hour.

George's pay is his regular pay plus his overtime pay.  $32 \times \$15 + 13 \times \$22.50 = \$480 + \$292.50 = \$772.50$ . Enter 772.50 into the box. The decimal point must be entered from the keyboard, too. If you enter 772.5, that is also correct.

\$

# QUANTITATIVE COMPARISON

- Quantitative Comparison questions are designed to measure your ability to determine the relative sizes of two quantities or to realize that more information is needed to make the comparison. To succeed in answering these questions, you need to make quick decisions about the relative sizes of the two given quantities.
- The first quantity appears on the left as “Quantity A.” The second quantity appears on the right as “Quantity B.” There are only four answer choices for this type of question, and they are always 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.



# QUANTITATIVE COMPARISON

$$\frac{\text{Quantity A}}{x^\circ} \quad \frac{\text{Quantity B}}{y^\circ}$$

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



# HOW TO SCORE A PERFECT 170 IN QUANT

- Play it fast and play it twice

Questions	Time
15 easy	13-14 min
5 difficult	10 min

# TOP 3 QUANTITATIVE REASONING TIPS

**1: Review Basic Math Concepts**

**2: Memorize Important Formulas**

**3: Plug In Numbers**

# THE BEST FREE GRE PRACTICE TESTS

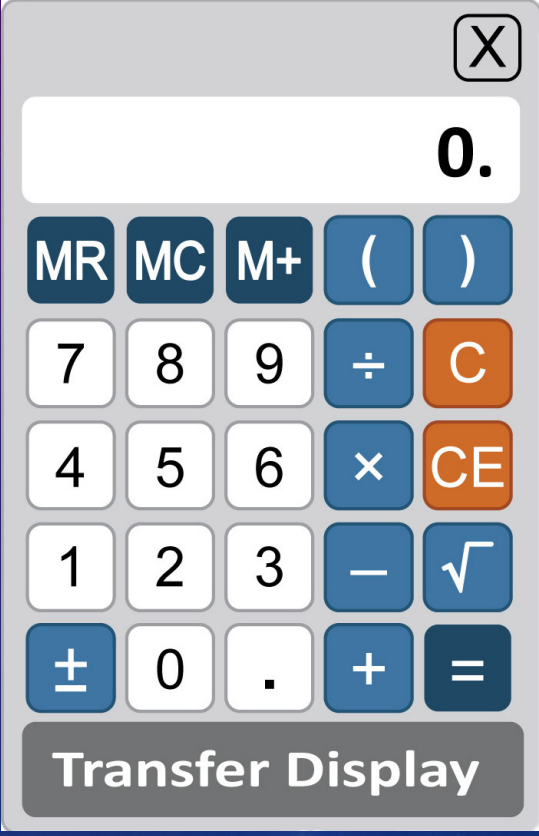
- **Power Prep & Power Prep II**
- **ETS Paper Exams**
  - 2011 Practice Test
  - 2012 Practice Test
  - 2016 Practice Test
- **Manhattan Prep Free GRE Practice Test**
- **Kaplan Free GRE Practice Test**
- **Princeton Review Free GRE Practice Test**
- **McGraw Hill Free GRE Practice Test**

# GRE MATH QUIZZES

- **Major Tests** : <https://www.majortests.com/gre/>
- **Analyze Math** : <https://www.analyzemath.com/gre.html>
- **GRE Guide** : <http://www.greguide.com/gre-practice-tests.html>

# CALCULATOR

Memory Clear    Memory Sum



The calculator interface features a display showing "0." and a grid of buttons. The buttons are arranged as follows: Row 1: MR, MC, M+, (, ) (labeled "Memory Recall" and "Open/Close parenthesis"); Row 2: 7, 8, 9, ÷, C (labeled "Clear"); Row 3: 4, 5, 6, ×, CE (labeled "Clear Entry"); Row 4: 1, 2, 3, −, √ (labeled "Square root"); Row 5: ±, 0, ., +, = (labeled "Positive/Negative"); Row 6: Transfer Display (labeled "Transfer Display").

Memory Recall    Open/Close parenthesis

Clear

Clear Entry

Square root

Positive/Negative

Transfer Display

Decimal



# THANK YOU

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