

MATHEMATICS
GRADE 8-DIAGNOSTIC TEST

NAME: _____ **Date:** _____

Score: _____

Circle the correct letter of the answer.

1. Simplify: $3x - 7 + 5x + 8$

A) $-5x + 15$

B) $2x + 1$

C) $8x - 15$

D) $8x + 1$

2. Simplify: $m + m + 3m + 4$

A) $3m + 4$

B) $5m - 4$

C) $5m + 4$

D) $2m + 3m + 4$

3. Evaluate: $(-2) \times (5) \times (-6)$

A) -30

B) -60

C) 30

D) 60

4. Evaluate:

A) $\frac{1}{2}$

B) $-\frac{1}{2}$

C) $-\frac{1}{3}$

D) $\frac{1}{6}$

5. Evaluate:

A) $-\frac{1}{3}$

B) $-\frac{54}{56}$

C) $-\frac{54}{53}$

D) $\frac{1}{3}$

6. Evaluate: $4^3 - 2^3$

A) 8

B) -8

C) 72

D) 56

7. Determine the value of x in the proportion: $3 : 5 = x : 15$

A) 5

B) 9

C) 6

D) 3

8. Determine the value of x that satisfies the equation: $4x = 20$

Grade 8 Diagnostic Math Test

SA Adler



Grade 8 Diagnostic Math Test:

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Table of Contents Grade 8 Diagnostic Math Test

1. Understanding the eBook Grade 8 Diagnostic Math Test
 - The Rise of Digital Reading Grade 8 Diagnostic Math Test
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 8 Diagnostic Math Test
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Grade 8 Diagnostic Math Test
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 8 Diagnostic Math Test
 - Personalized Recommendations
 - Grade 8 Diagnostic Math Test User Reviews and Ratings
 - Grade 8 Diagnostic Math Test and Bestseller Lists

5. Accessing Grade 8 Diagnostic Math Test Free and Paid eBooks
 - Grade 8 Diagnostic Math Test Public Domain eBooks
 - Grade 8 Diagnostic Math Test eBook Subscription Services
 - Grade 8 Diagnostic Math Test Budget-Friendly Options
6. Navigating Grade 8 Diagnostic Math Test eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 8 Diagnostic Math Test Compatibility with Devices
 - Grade 8 Diagnostic Math Test Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 8 Diagnostic Math Test
 - Highlighting and Note-Taking Grade 8 Diagnostic Math Test
 - Interactive Elements Grade 8 Diagnostic Math Test
8. Staying Engaged with Grade 8 Diagnostic Math Test
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 8 Diagnostic Math Test
9. Balancing eBooks and Physical Books Grade 8 Diagnostic Math Test
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 8 Diagnostic Math Test
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Grade 8 Diagnostic Math Test
 - Setting Reading Goals Grade 8 Diagnostic Math Test
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade 8 Diagnostic Math Test
 - Fact-Checking eBook Content of Grade 8 Diagnostic Math Test
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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