

Name _____ Date _____

Stage 7 Mid-year test: Units 1 to 8

1 Fill in the missing numbers.

a $10 + -8 =$ _____

b $-9 +$ _____ $= 3$

c $4 \times -5 =$ _____

d $-45 \div$ _____ $= -5$

e $4^3 =$ _____

f $\sqrt{81} =$ _____

[6]

2 a Find the lowest common multiple (LCM) of 6 and 9.

b Find the highest common factor (HCF) of 48 and 60.

[2]

3 a Show the inequality $x > 6$ on the number line below.



b For the inequality $y < -2$, write down the greatest integer that y could be.

[2]

4 Use the formula $T = mg$ to answer these questions.

Circle the correct answer, **A**, **B** or **C**.

a When $m = 5$ and $g = 9$, the value of T is

A 59

B 14

C 45

b When $m = 9$ and $T = 90$, the value of g is

A 810

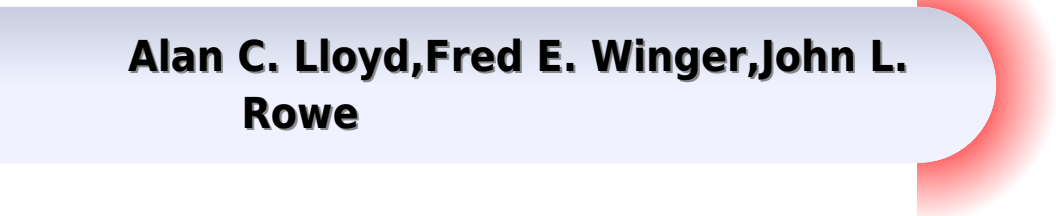
B 10

C 99

[2]

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**Alan C. Lloyd, Fred E. Winger, John L.
Rowe**



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Table of Contents Mid Level Practice Page B Unit 10

1. Understanding the eBook Mid Level Practice Page B Unit 10
 - The Rise of Digital Reading Mid Level Practice Page B Unit 10
 - Advantages of eBooks Over Traditional Books
2. Identifying Mid Level Practice Page B Unit 10
 - 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 Mid Level Practice Page B Unit 10
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mid Level Practice Page B Unit 10
 - Personalized Recommendations
 - Mid Level Practice Page B Unit 10 User Reviews and Ratings
 - Mid Level Practice Page B Unit 10 and Bestseller Lists
5. Accessing Mid Level Practice Page B Unit 10 Free and Paid eBooks
 - Mid Level Practice Page B Unit 10 Public Domain eBooks
 - Mid Level Practice Page B Unit 10 eBook Subscription Services
 - Mid Level Practice Page B Unit 10 Budget-Friendly Options

6. Navigating Mid Level Practice Page B Unit 10 eBook Formats
 - ePub, PDF, MOBI, and More
 - Mid Level Practice Page B Unit 10 Compatibility with Devices
 - Mid Level Practice Page B Unit 10 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mid Level Practice Page B Unit 10
 - Highlighting and Note-Taking Mid Level Practice Page B Unit 10
 - Interactive Elements Mid Level Practice Page B Unit 10
8. Staying Engaged with Mid Level Practice Page B Unit 10
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mid Level Practice Page B Unit 10
9. Balancing eBooks and Physical Books Mid Level Practice Page B Unit 10
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mid Level Practice Page B Unit 10
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Mid Level Practice Page B Unit 10
 - Setting Reading Goals Mid Level Practice Page B Unit 10
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Mid Level Practice Page B Unit 10
 - Fact-Checking eBook Content of Mid Level Practice Page B Unit 10
 - 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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