

Write the letter for the correct answer in the blank at the right of each question.

1. Write $4\frac{3}{16}$ as a decimal.

A. 4.1875 B. 4.316 C. 4.3 D. $4.\overline{3}$ 1. _____

2. Write $-0.\overline{5}$ as a fraction in simplest form.

F. $-\frac{55}{100}$ G. $-\frac{1}{2}$ H. $-\frac{5}{9}$ J. $-\frac{11}{20}$ 2. _____

3. Which of the following is a true statement?

A. $-\frac{5}{11} < -\frac{5}{9}$ B. $0.\overline{15} < \frac{3}{20}$ C. $4\frac{2}{3} > 4\frac{3}{5}$ D. $11.\overline{39} > 11.3\overline{9}$ 3. _____

4. Which number is the greatest?

F. $\frac{4}{13}$ G. 0.3 H. $\frac{1}{3}$ J. $\frac{4}{11}$ 4. _____

Multiply or divide. Write in simplest form.

5. $-\frac{5}{12} \cdot \frac{8}{15}$

A. $-\frac{1}{9}$ B. $-\frac{2}{9}$ C. $-\frac{2}{3}$ D. $\frac{1}{4}$ 5. _____

6. $4\frac{2}{3} \cdot 4\frac{1}{2}$

F. 21 G. $16\frac{1}{3}$ H. $9\frac{1}{6}$ J. $8\frac{3}{5}$ 6. _____

7. $\frac{5}{8} \div \left(-\frac{15}{16}\right)$

A. $-1\frac{1}{2}$ B. $-\frac{2}{3}$ C. $-\frac{5}{16}$ D. $-\frac{75}{128}$ 7. _____

8. $-3\frac{3}{4} \div 2\frac{1}{12}$

F. $-1\frac{2}{3}$ G. $-\frac{5}{9}$ H. $-1\frac{4}{5}$ J. $-5\frac{3}{4}$ 8. _____

Add or subtract. Write in simplest form.

9. $-2\frac{4}{5} + \left(-1\frac{2}{5}\right)$

A. $-3\frac{2}{5}$ B. $-4\frac{1}{5}$ C. $-2\frac{1}{5}$ D. $1\frac{2}{5}$ 9. _____

10. $\frac{5}{8} + \frac{1}{6}$

F. $\frac{5}{48}$ G. $\frac{3}{7}$ H. $\frac{6}{14}$ J. $\frac{19}{24}$ 10. _____

2**Chapter 2 Test, Form 2A** (continued)

11. $-2\frac{4}{9} - 1\frac{1}{3}$

A. $-1\frac{5}{6}$

B. $-1\frac{1}{9}$

C. $-3\frac{5}{12}$

D. $-3\frac{7}{9}$

11. _____

- 12.
- HEIGHT**
- Marni is
- $48\frac{3}{8}$
- inches tall, and Suzanna is
- $47\frac{5}{8}$
- inches. How much taller is Marni than Suzanna?

F. $\frac{3}{4}$ in.

G. $1\frac{1}{4}$ in.

H. $1\frac{3}{4}$ in.

J. $\frac{1}{4}$ in.

12. _____

For Questions 13–15, solve each equation. Check your solution.

13. $-\frac{5}{6} = m + \frac{1}{3}$

A. $-\frac{1}{2}$

B. $-\frac{5}{18}$

C. $-1\frac{1}{6}$

D. $-2\frac{1}{2}$

13. _____

14. $0.24t = -1.68$

F. -0.4032

G. -1.92

H. -1.44

J. -7

14. _____

15. $\frac{r}{3.9} = -1.2$

A. -5.1

B. -4.68

C. 2.7

D. 0.308

15. _____

16. Evaluate $2^4 \cdot 3^3$.

F. 216

G. 324

H. 432

J. 648

16. _____

17. Evaluate 9^{-2} .

A. $\frac{1}{81}$

B. 36

C. -81

D. -18

17. _____

- 18.
- CONSTRUCTION**
- The Phillip Company is constructing a new building. After 5 days the building is 10 feet tall. In 10 days the building is 20 feet tall. In 15 days the building is 30 feet tall. How many days will it take for the building to be 70 feet tall?

F. 4 days

G. 20 days

H. 35 days

J. 70 days

18. _____

19. Write
- 3.161×10^{-7}
- in standard notation.

A. 3,161,000

C. 31,610,000

B. 0.0000003161

D. 0.00000003161

19. _____

- 20.
- LANDMARKS**
- The Statue of Liberty weighs 450,000 pounds. Write this number in scientific notation.

F. 4.5×10^{-5}

G. 4.5×10^{-4}

H. 4.5×10^4

J. 4.5×10^5

20. _____

Bonus The sum of two numbers is $27\frac{13}{14}$. One number is $5\frac{1}{2}$.

B: _____

Find the other number.