

## Chapter 3 Test, Form 1B

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

1. Write the numbers  $\frac{3}{4}$ ,  $-\frac{5}{6}$ , 0.6, and  $-0.8$  from least to greatest.

A.  $-0.8, -\frac{5}{6}, 0.6, \frac{3}{4}$

B.  $-\frac{5}{6}, -0.8, \frac{3}{4}, 0.6$

C.  $-\frac{5}{6}, -0.8, 0.6, \frac{3}{4}$

D.  $0.6, \frac{3}{4}, -0.8, -\frac{5}{6}$

1. \_\_\_\_\_

2. Which is the best buy for popcorn at a movie?

A. 6 cups for \$2

B. 9 cups for \$3

C. 15 cups for \$4

D. 21 cups for \$5

2. \_\_\_\_\_

3. Which sentence is true?

A.  $\frac{2}{3} > \frac{3}{4}$

B.  $\frac{4}{5} > \frac{7}{11}$

C.  $\frac{3}{7} < \frac{2}{5}$

D.  $\frac{4}{10} = \frac{5}{2}$

3. \_\_\_\_\_

4. Evaluate  $b - c$  if  $b = \frac{4}{9}$  and  $c = \frac{1}{6}$ .

A.  $\frac{11}{18}$

B.  $\frac{1}{3}$

C.  $\frac{5}{18}$

D.  $\frac{1}{5}$

4. \_\_\_\_\_

5. Find  $-2.49 + 1.85$ .

A.  $-4.34$

B.  $-0.64$

C.  $-0.54$

D.  $0.64$

5. \_\_\_\_\_

6. For three babysitting jobs one weekend Quyen earns \$12.75, \$18.50, and \$6.50. He buys a CD for \$12.95 and pays his sister the \$5.90 he owes her. How much of his babysitting earnings does he have left?

A. \$18.30

B. \$18.90

C. \$19.10

D. \$25.10

6. \_\_\_\_\_

7. What is the mode of the data in the stem-and-leaf plot?

A. 26

B. 27

C. 28

D. 85

Stem	Leaf
1	7 8
2	1 6 6 8
3	4 5 6 9

1 | 7 8

2 | 1 6 6 8

3 | 4 5 6 9     1 | 7 = 17

7. \_\_\_\_\_

8. What is the median of 26, 16, 23, 17, 39, 26, 20, and 22?

A. 26

B. 23.6

C. 23

D. 22.5

8. \_\_\_\_\_

9. Use the table to find the mean high temperature over the five days shown.

Day	M	Tu	W	Th	F
High temp. (°F)	46	37	42	40	30

A. 39°F

B. 40°F

C. 41°F

D. 42°F

9. \_\_\_\_\_

10. Solve  $\frac{10 - 4 + 11}{2 \cdot 4 + 3} = f$ .

A.  $2\frac{3}{11}$

B.  $1\frac{6}{11}$

C.  $1\frac{3}{14}$

D.  $-\frac{5}{11}$

10. \_\_\_\_\_

11. Find the solution of  $2x - 8 = -14$  if the replacement set is  $x = \{-3, -4, 5, 6\}$  11. \_\_\_\_\_  
A. -3    B. -4    C. 5    D. 6

Solve the following equations:

12.  $x - 7 = 10$  12. \_\_\_\_\_

13.  $-6 + x = -10$  13. \_\_\_\_\_

14.  $5 + x = -1$  14. \_\_\_\_\_

15.  $-8 = x - 19$  15. \_\_\_\_\_

16.  $14 = x - (-3)$  16. \_\_\_\_\_

17.  $|x| = 5$  17. \_\_\_\_\_

18.  $|x - 8| = -3$  18. \_\_\_\_\_

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19.  $|x| - 3 = 8$

19. \_\_\_\_\_

20. Explain the steps you would take to solve the following equation: (5 pts)

$$|x + 1| - 4 = 10$$

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21. In your own words, explain how to compute the mean, mode, and median of a set of data.

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