

Math 6 – Milestones Review

Milestones Review #3

Name: _____

Class Period: 1 2 3 4 Date: _____

1. What is the difference between 82.143 and 9.5482?

- a. 72.5948 c. 73.5958
b. 13.339 d. 74.4848

2. Which of the following is equivalent to $5(2x+3)$?

- a. $10x+3$ c. $2x+8$
b. $5x+15$ d. $10x+15$

3. What is the value of $5^2 - (18 \div 6) \cdot 7$?

- a. 4 c. 31
b. 46 d. 154

4. A case of pencils costs \$15. The academic team spends \$135 on pencils for the school tournament. How many cases of pencils did the academic team buy?

- a. 7 c. 9
b. 8 d. 10

5. What is the value of $\frac{5}{6} \cdot 2\frac{3}{4}$?

- a. $\frac{15}{26}$ c. $2\frac{7}{24}$
b. $\frac{5}{8}$ d. $\frac{24}{55}$

6. What is the reciprocal of $4\frac{5}{8}$?

- a. $\frac{8}{45}$ c. $\frac{8}{37}$
b. $\frac{8}{5}$ d. $3\frac{7}{8}$

7. What value of x will make the expressions $2x+4$ and $5x-8$ both equal to 12?

- a. 2 c. 4
b. 6 d. 8

8. Simplify using the distributive property:

$$7(x - 9)$$

- a. $7x-16$ c. $7x-9$
b. $x-63$ d. $7x-63$

9. If a year of storage costs \$276.72, how much does one month of storage cost?

- a. \$24.16 c. \$23.60
b. \$23.06 d. \$25.16

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Milestones Review #4

Name: _____

Class Period: 1 2 3 4 Date: _____

1. The weights of three backpacks are 15.8 pounds, 18.12 pounds, and 16.7 pounds. How many pounds do the backpacks weigh all together?

- a. 51.52 lbs. c. 21.37 lbs.
b. 50.72 lbs. d. 50.62 lbs.

2. What is $7.89 \div 3$?

- a. 263 c. 0.263
b. 26.3 d. 2.63

3. What is the value of $\frac{1}{6} \div 1\frac{3}{4}$?

- a. $\frac{21}{4}$ c. $\frac{3}{24}$
b. $\frac{2}{21}$ d. $1\frac{3}{24}$

4. What is the solution to $x - 17 \geq 35$?

- a. $x > 18$ c. $x \geq 52$
b. $x > 52$ d. $x \geq 18$

5. Chris earns \$12 per hour for his work at a factory. He works 40 hours per week. How much money will Chris be paid for one week of work?

- a. \$425 c. \$480
b. \$0 d. \$55

6. Which expression has the greatest value?

- a. 3^4 c. 4^3
b. 2^5 d. 8^2

7. Evaluate $4m - 7$ if $m=9$

- a. 28 c. 42
b. 29 d. 43

8. Jake and his 2 friends buy lunch. The total is \$13.74. If they share the cost equally, how much should each person pay?

- a. \$4.58 c. \$6.37
b. \$5.87 d. \$6.87

9. What is the value of $\frac{5}{7} \div 2\frac{2}{7}$?

- a. $\frac{10}{7}$ c. $\frac{5}{16}$
b. $\frac{10}{49}$ d. $\frac{16}{5}$

10. What is the solution to $x + 9 > 25$?

- a. $x < 16$ c. $x > 16$
b. $x < 34$ d. $x > 34$

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