

Name _____

Chapter 3 Test
Form A

Reduce each of the following fractions to lowest terms.

1. $\frac{16}{28}$

8. $\frac{7}{x} + \frac{2}{x}$

2. $\frac{120abc}{50c}$

9. $-5 + \frac{3}{5}$

Multiply:

3. $\frac{7}{10}(25x)$

10. $-\frac{4}{y} + \frac{1}{3}$

4. $\frac{16}{45} \cdot \frac{75}{18} \cdot \frac{27}{36}$

11. $\frac{3}{8} + \frac{5}{6} + \frac{7}{12}$

Divide:

5. $\frac{15}{32} \div \frac{5}{16}$

12. Change $3\frac{2}{5}$ to an improper fraction.

6. $-\frac{5}{6} \div 15$

13. Change $\frac{67}{7}$ to a mixed number.

Simplify problems 7 – 11.

7. $\frac{7}{10} - \frac{3}{10}$

14. Add: $7 + \frac{5}{x}$

Simplify problems 15 to 20.

15. $8 \div 2\frac{1}{4}$

16. $5\frac{1}{4} + 2\frac{7}{9}$

17. $4\frac{2}{7} - 1\frac{3}{28}$

18. $3 + 2\left(3\frac{1}{3}\right)$

19. $\left(2\frac{1}{10} + \frac{3}{5}\right)\left(2\frac{1}{2} - \frac{2}{3}\right)$

20. $\frac{\frac{5}{6} + \frac{7}{12}}{\frac{2}{5} - \frac{8}{15}}$

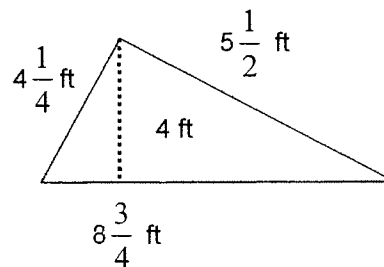
21. If a basketball team missed $\frac{2}{3}$ of their 15 free throws in a game, how many free throws did they miss?

22. A board that was $95\frac{1}{8}$ inches long had a piece, $3\frac{5}{16}$ inches long, cut off from one end. What is the length of the board now?

23. A recipe calls for $2\frac{3}{4}$ cups of flour. How much flour is needed if the recipe is tripled?

24. An inheritance of $12\frac{2}{3}$ million dollars is divided among 5 children. How much does each child get?

25. Find the perimeter and the area of the triangle shown below.



Name _____

Chapter 4 Test
Form A

1. Simplify: $10x - 4x + 4 - 9$

6. Solve: $x + 4 = 8$

2. Simplify: $5(3x - 2) + 4(x + 5)$

7. Solve: $a + 7 - 2 = 4 - 6$

3. Find the value of $4x - 12$ if $x = 5$.

8. Solve: $3x - 5x + 4x = 10$

4. Find the value of $-x + 3$ if $x = -1$.

9. Solve: $4(b - 7) - 3b = -24$

5. Is $x = 2$ a solution to $2x - 5 = 1$?

10. Solve: $-8y = -56$

Name _____

Chapter 5 Test
Form A

1. Write the number 7.048 in words.
2. Write twenty and one hundred forty-two thousandths as a decimal number.
3. Round 629.0498 to the nearest hundredth.
4. Change 0.005 to a fraction in lowest terms.
5. Change $\frac{17}{200}$ to a decimal.
6. Give the place value of the 6 in 35.2061.
7. $0.26 + 1.058 + 7$
8. $9.758 - 15.022$
9. $(3.44)(-0.045)$
10. $-8.942 \div (-3.4)$
11. $22.558 - 4(2.21 + 0.0422)$
12. $6.2 - 4(0.16)$
13. $\frac{1}{8}(4.4 + 5.6)$
14. $\frac{1}{5}(7.5) + \frac{1}{3}(2.7)$

Perform the indicated operations in numbers 7 to 14.

15. Solve: $0.4b + 2.2 = -3.6$

16. Solve: $5x - 0.123 = 2x - 5.4$

17. If fresh salmon sells for \$7.95 per pound, how much will 4.4 pounds cost?

18. Emma has \$3.35 in nickels and quarters. She has seven more nickels than quarters. How many of each coin does she have?

19. John has 14 cats. His monthly cat food bill is \$159.88. How much does it cost him to feed one cat for a month?