

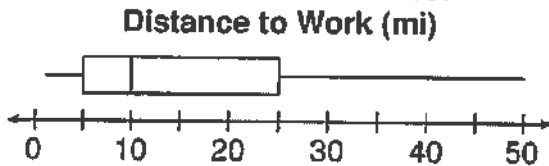
Cumulative Quiz**Chapters 1-7 ~ Show *all* work!**

1. What is the mode for the stem-and leaf-plot?

Stem	Leaves
1	0 7 9 9
2	1 6 8
3	0 1

Key: 1 | 0 = 10

2. The box-and-whisker plot represents how many miles people drive to work. What is the median distance?



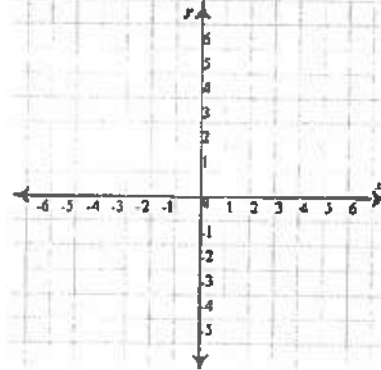
3. Evaluate the expression
 $6 \cdot 8 \div 4 + 12 \div 3$.

4. Write a fraction, in simplest form, equivalent to 0.375?

5. Subtract $\frac{1}{5} - \frac{1}{6}$. Give the answer in simplest form.

6. The product of 3 and a number is 27. What is the number?

7. Start at the origin. Point *J* is 3 units right and 4 units down. What are the coordinates of *J*?



8. Evaluate $c + d$ when $c = 12$ and $d = -6$.

9. A chemist cools a substance from 85°C to -12°C . Write an integer that represents the situation.

10. Solve $r - 7 = -12$.

11. In which pair are the numbers equivalent?

F $\frac{5}{16}$ and 0.32

G $\frac{9}{25}$ and 0.36

H $\frac{11}{20}$ and 0.44

J $\frac{3}{8}$ and 0.38

12. Evaluate $3.57 + 1.29$.

13. Fred bought three books for \$12.95, \$18.50, and \$23.48. What was the average price of his books?

14. Solve $p + 2.57 = 8.31$.

15. Divide $3\frac{3}{5} \div 2\frac{7}{10}$. Give the answer in simplest form.

16. When raking leaves, Jon raked $\frac{1}{3}$ of the yard, Mindy raked $\frac{1}{8}$, and Teresa raked $\frac{1}{4}$. How much of the yard did they rake altogether?

17. A grocery store sells 16 pounds of beans for \$9.60. What is the unit rate? (money per 1 pound)

18. Find the solution of the following proportion:

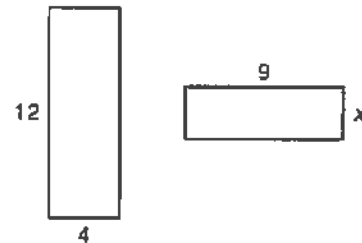
$$\frac{2}{48} = \frac{x}{12}$$

19. Which expression is equivalent to "two times the difference between a number and 44"?

A $2n - 44$ B $2(n - 44)$

C $44n - 2$ D $n - 44 \times x$

20. Find the unknown length in these similar rectangles.



21. Simplify (like terms).

$$55x^2 + y - 2x^2.$$

22. Three stores are selling the same item. At store A, the price is \$24.95. At store B, the price is \$29.95 with 20% off. At store C, the price is \$36.00 with 30% off. What store sells the item at the cheapest price?

23. Solve $\frac{7}{15}x - 4 = \frac{3}{5}$.

24. If the price of gold went from \$460 an ounce to \$483 an ounce in one week, what was the percent change in the price of gold?

25. Point P has coordinates $(-5, 3)$. Identify the quadrant in which P lies.