Name _____

*1. (21) Explain The diameter of Filomena's bicycle tire is 24 inches. What is the radius of the tire? Explain how you know.

2. (49) There are five apple slices in each school lunch. If 35 students buy a school lunch, how many apple slices are there? Write an equation for this problem.

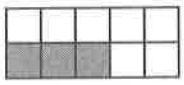
3. (36, Inv. 4) **a.** Two nickels are what fraction of a dollar?

b. Two nickels are what decimal part of a dollar?

*4. (60) The Gilbreth family drank 39 cups of milk in 3 days. That averages to how many cups of milk each day?

*5. (1, 17) Maya drove 28 miles to Ariana's house. That afternoon the two friends drove 3 miles to a restaurant and then drove back to Ariana's house. That evening Maya drove 28 miles to return home. Altogether, how many miles did Maya travel that day?

*6. (61) What fraction of this rectangle is *not* shaded?



*7. (55) **Multiple Choice** Which of these numbers is *not* a factor of 10?

A 2 **B** 5 **C** 10 **D** 20

*8. (61) The loaf of bread was sliced into 6 equal pieces. After 1 piece was taken, what fraction of the loaf was left?

*9. (56) Represent Compare these fractions. Draw and shade two congruent circles to show the comparison.

$$\frac{2}{3} \bigcirc \frac{3}{4}$$

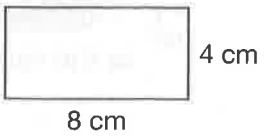
*10. (54, 59) Estimate Find the sum of 5070 and 3840 by rounding each number to the nearest thousand before adding.

11. (Inv. 5) If 60% of the answers were true, then were there more true answers or more false answers?

Name _____

12. (Inv. 2, Inv. 3) **a.** What is the perimeter of this rectangle?

b. What is the area of this rectangle?



13. (43, 51)
$$\begin{array}{r} \$62.59 \\ +\ \$17.47 \\ \hline \end{array}$$

***14.** (61) $5n = 12 + 18$

***15.** (45, 58) $1000 - (110 \times 9)$

16. (50) $3.675 - 1.76$

***17.** (58)
$$\begin{array}{r} \$6.70 \\ \times \quad 4 \\ \hline \end{array}$$

***18.** (58)
$$\begin{array}{r} 703 \\ \times \quad 6 \\ \hline \end{array}$$

***19.** (58)
$$\begin{array}{r} \$346 \\ \times \quad 9 \\ \hline \end{array}$$

***20.** (53) $5\overline{)39}$

***21.** (53) $7\overline{)39}$

22. (53) $4\overline{)39}$

23. (53) $16 \div 3$

24. (53) $26 \div 6$

25. (Inv. 3, 47) $36 \div \sqrt{36}$

***26.** (Inv. 1) **Represent** Point *A* represents what number on this number line?

27. (33) Compare:

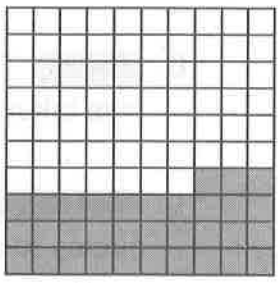
a. 745 ◯ 754

b. 132 ◯ 99

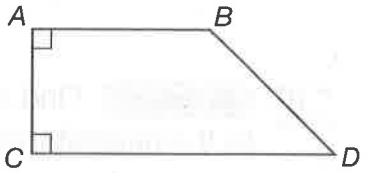
28. (Inv. 4, Inv. 5) **a.** What fraction of the large square is not shaded?

b. The unshaded part of the large square represents what decimal number?

c. What percent of the large square is not shaded?



***29.** (52) **Classify** Name the parallel and perpendicular segments in this figure. Describe the angles as acute, obtuse, or right.



***30.** (23, 45) In 1847 the first adhesive postage stamps were sold in the United States. In 1873 the first postcards were issued. What is the elapsed time in years between those two events?