

Understand
 What information am I given?
 What am I asked to find or do?

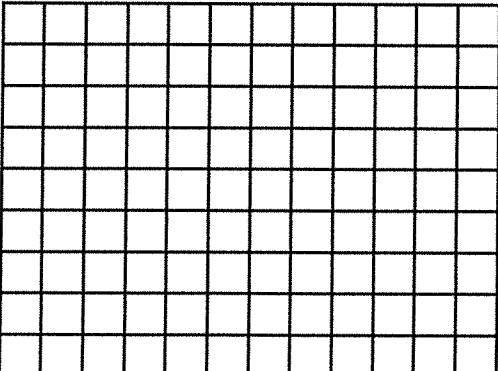
Plan
 How can I use the information I am given?
 Which strategy should I try?

Solve
 Did I follow the plan?
 Did I show my work?
 Did I write the answer?

Check
 Did I use the correct information?
 Did I do what was asked?
 Is my answer reasonable?

Problem Solving
 Answer the question below.

Problem: Carpeting is sold by the square yard. If carpet is priced at \$25 per square yard (including tax and installation), how much would it cost to carpet this office that is currently tiled with 1 square foot tiles?



Facts Write each percent as a reduced fraction and decimal number.

Percent	Fraction	Decimal
75%		
90%		
1%		
25%		
20%		
5%		
Percent	Fraction	Decimal
66 $\frac{2}{3}$ %		
33 $\frac{1}{3}$ %		
12 $\frac{1}{2}$ %		
50%		
30%		
10%		

Name _____ Time _____

Name

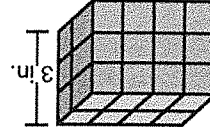
Score

1. Divide \$1.30 by 8 and round the quotient to the nearest cent. ^(45, 51)

2. Forty percent of the people ⁽¹⁰⁵⁾ attending the movie were adults. If 20 adults attended the movie, then how many people attended the movie? (Use a ratio box.)

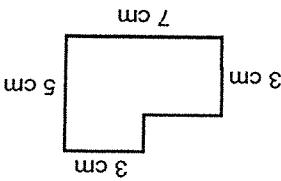
3. What are the coordinates of the ^(inv. 7) point halfway between $(-2, -2)$ and $(4, -2)$?

4. Simplify: $10^2 - \sqrt{81} - 3 \times 10$ ⁽²²⁾



5. How many 1-inch sugar cubes ⁽²²⁾ would be needed to form this rectangular prism?

6. What is the perimeter of this figure? ⁽¹⁰³⁾



7. If the radius of a circle is 10 cm, ⁽⁴⁷⁾ what is its circumference? (Use 3.14 for π .)

8. Two tons is how many pounds? ⁽¹⁰²⁾

9. Solve this proportion: $\frac{10}{6} = \frac{25}{a}$ ⁽⁸⁵⁾

10. The boy-girl ratio in the class was ⁽¹⁰¹⁾ 5 to 4. If there were 27 students, how many boys were there? (Draw a ratio box for the problem. Then write and solve a proportion to find the answer.)

16. $4 \div (0.2 \times 2)$ ⁽⁴⁹⁾

15. $(-3) + (-2) - (-4)$ ⁽¹⁰⁴⁾

14. $6.3 - (1.25 + 2)$ ⁽⁴⁰⁾

Simplify 14-19.

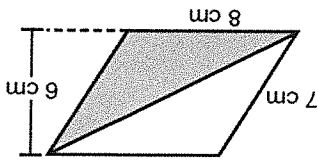
	Fraction	Decimal	Percent
11. ⁽⁹⁾	$\frac{1}{3}$	a.	b.
12. ⁽⁹⁾	a.	0.9	b.
13. ⁽⁹⁾	a.	b.	10%

Complete this table.

19. $2\frac{1}{3} \div 1\frac{5}{9}$ ⁽⁶⁸⁾

18. $6\frac{1}{4} \times 1\frac{5}{12}$ ⁽⁷⁰⁾

17. $6\frac{3}{2} + 3\frac{3}{4}$ ⁽⁵⁹⁾



20. What is the area of the shaded part of this parallelogram? ⁽⁷⁹⁾