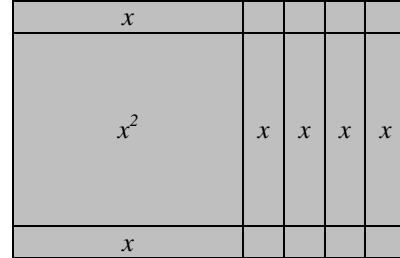


1. “I’m thinking of a number,” Mrs. Jackson began. “When I multiply by 9 and subtract 11, I get 52. What’s my number?”

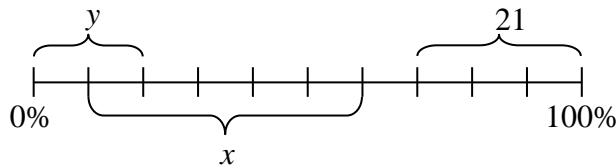
2. The figure at right is made of algebra tiles. Write an expression for the area and the perimeter.

Area =

Perimeter =

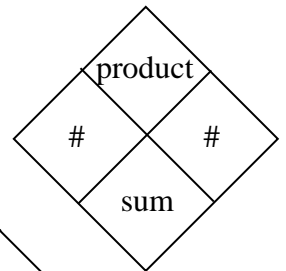
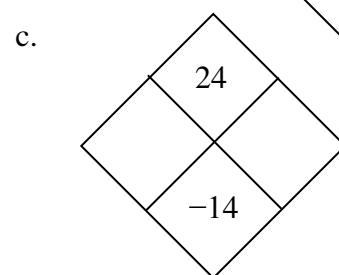
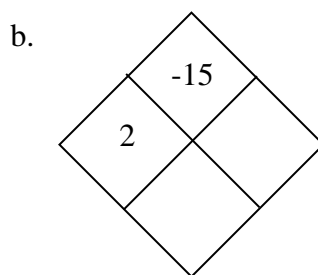
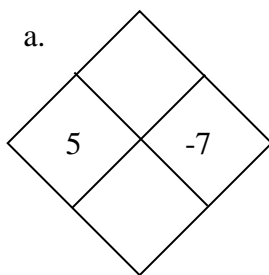


3. Assuming that the line is evenly divided, calculate all the missing values on the diagram below.



4. Janelle earned an 64% on a test and got 16 points. How many total points were possible on the test?

5. Complete each of these Diamond Problems:



6. Calculate:

a.  $150 - 3^3 - 7 \div 2$

b.  $-8^2 + 4 - 3$

c.  $15 - 4^2 \div 8 \cdot 12$

d.  $12 + 4 \frac{10-2}{14-12} - 2 \frac{13+1}{19-12}$



9. A bag contains seven red marbles and three blue marbles.
- What is the probability of reaching in and pulling out a red marble? Write your answer as a fraction, decimal and a percent.
  - Mrs. Wink reaches in and pulls out a marble, replaces it and pulls out another marble. What is the probability that they both are blue? Is this event dependent or independent?
  - Mrs. Wink reaches in and pulls out a marble, does not replace it, but reaches in and pulls out another marble. What is the probability now that they both are blue? Is this event dependent or independent?
10. A triangle has a perimeter of 38 feet. The second side is twice as long as the first side. The third side is 10 feet longer than the first side. Use the 5-D process to find the length of each side.

Describe/Draw:

- 
- 
- 
- 

Define:			Do:	Decide:
First Side	Second Side	Third Side		

Declare: