

14 - A+    11 - C+    8 - F  
 13 - A    10 - C-    ↓  
 12 - B    9 - D

3-119. Solve the number puzzles below.

a) If I add 9 to my number, I get 6. What is my number? -3 ①

b) If I start at -5 on a number line and end up at -8, what direction did I move? How many units did I move?

you moved left 3 units.

c) If I moved up 8 and then moved down 8, what can you tell me about my ending position?

you ended in the same place you started because 8 and -8 are opposites.

3-139. Complete the generic rectangle below, then write a number sentence showing the original factors and final product.

	100	+ 30	+ 5
40	4000	1200	200
+ 7	700	210	35

$$135 \times 47 = 6345$$

$$\begin{array}{r} 5200 \\ + 910 \\ \hline 235 \\ \hline 6345 \end{array}$$

3-128. Evaluate each absolute value statement below.

- a.  $-|6| = -6$  ① \* The negative is outside the symbols.
- b.  $|-7| + |-1| = 8$  ①  
 $7 + 1 = 8$
- c.  $|-3| + |5| = 8$  ①  
 $3 + 5 = 8$
- d.  $|2| + |4| = 6$  ①  
 $2 + 4 = 6$

3-120. You can see in the examples below that not all number lines increase by one unit from mark to mark. Fill in the missing numbers.

- a) counting by 5 ①
- b) ①
- c) counting by 2,000 ①
- d) ①

3-121. A triangular flower bed (space for planting flowers) needs a thin metal border all the way around it. The sides are 7 feet, 6 feet, and 9 feet long.

- a) This problem is asking about perimeter because it's asking about the distance around.
- (Is this a perimeter or area problem? How can you tell?)
- b) How many feet of border should be purchased? Make a sketch and show your work.

