For those who CANNOT access Digits and have talked to me about it, you can access the homework problems here.

You can either "Make a Copy" of this document and type your answers below the question OR do your homework on paper and turn it in to me by the due date.

1.	
Wh	nich situation below does the inequality 6 + 5n ≤ 60 represent?
A.	You have \$60 to buy your friends lunch. If each lunch costs \$6 and you plan to share a \$5 dessert, how many friends can you bring?
В.	You have \$60 to buy your friends lunch. If each lunch costs \$5 and you plan to share a \$6 dessert, how many friends can you bring?
C.	You need to read 60 pages of a novel. You read 5 pages per minute. After how many minutes will you have fewer than 6 pages left?
	<u>(m)</u>
The	e inequality 6 + 5n ≤ 60 represents situation ▼
2.	
	mer has 24 bushels of apples and can harvest 21 bushels of apples each day. In how many days will she have more than 100 bushels to sell? What inequality esents this situation?
Choo	ose the correct answer below.
O A	A. 21n+24>100
O B	3. 100 – 21n < 24
O C	2. 21n - 24 ≥ 100
() D	 21n+24≤100

3.

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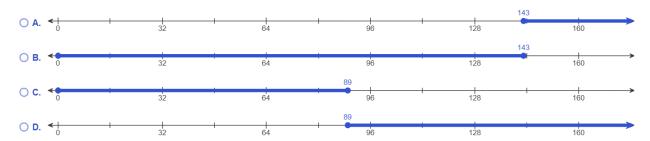
Which inequality models the situation?

- \bigcirc A. 50n + 31 \leq 4,500
- \bigcirc **B.** 31n + 50 ≤ 4,500
- Oc. 31n+50≥4,500
- \bigcirc **D.** 50n + 31 ≥ 4,500

Which inequality represents the solutions?

- O A. n≥143
- O B. n≤89
- O C. n≤143
- O D. n≥89

Which graph represents the solutions?



4.

Solve each inequality. Then compare the solutions.

$$3x + 5 > 11$$
 $-4x + 21 < 13$

Compare the solutions for 3x + 5 > 11 and -4x + 21 < 13. Choose the correct answer below.

- A. The inequalities have some common solutions.
- OB. The inequalities have the same solutions.
- Oc. The inequalities have no common solutions.
- O D. The inequalities have one common solution.

5.

Solve each inequality. Then compare the solutions.

$$3x + 7 < 19$$
 $-2x + 17 < 9$

Compare the solutions for 3x + 7 < 19 and -2x + 17 < 9. Choose the correct answer below.

- A. The inequalities have no common solutions.
- O B. The inequalities have some common solutions.
- C. The inequalities have the same solutions.
- D. The inequalities have one common solution.