

Warm Up: Alg 2

10/7

Various ACT problems.

Feb 27-7:39 AM

W.A.L.T.:

Day 6

Understand the graph of an inequality.

W.A.S.I.:

We can graph an inequality.

Mar 7-9:45 AM

1. Roy's spending money depends on both the number of tickets  $t$  and the number of meals  $m$ . Determine whether each option is *feasible* for Roy and provide a rationale in the table below.

Tickets ( $t$ )	Meals ( $m$ )	Total Cost	Is it feasible?	Rationale
6	16	1240	Yes	
8	14	1360	Yes	
10	12	1480	NO	
4.5	11		NO	

Oct 7-7:37 AM

3. Write a **linear inequality** that represents all ordered pairs  $(t, m)$  that are feasible options for Roy.

$$100t + 40m \leq 1360$$

Oct 7-7:39 AM

4. If Roy buys exactly two meals each day, determine the total number of tickets that he could purchase in five days. Show your work.

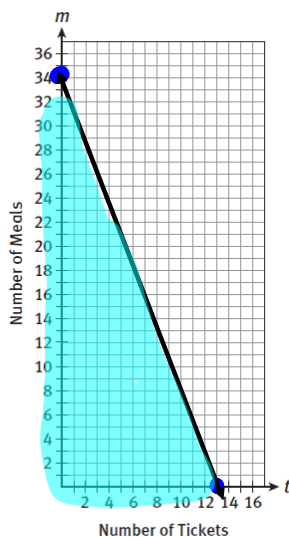
$$100t + 40(10) \leq 1360$$

$$\begin{array}{r} 100t + 400 \leq 1360 \\ -400 \quad -400 \end{array}$$

$$\begin{array}{r} 100t \leq 960 \\ \hline 100 \end{array}$$

$$t \leq 9.60$$

Oct 7-7:44 AM



$$100t + 40m \leq 1360$$

$$\begin{array}{r} -100t \quad -100t \\ 40m \leq -100t + 1360 \\ \hline 40 \end{array}$$

$$m \leq -\frac{100}{40}t + 34$$

Oct 7-7:52 AM

Today's Activities:

-In class work

P.W. for tonight:

- Finish Graphing Inequalities Worksheet

Day 4

Dec 31-9:59 PM