Warm Up Review 1/25–1/29

Name_____

1. A school auditorium can hold 415 people. For a play, there will be 28 staff members in attendance. <u>Write and solve an inequality</u> to determine how many guests each of the 43 cast members can invite.	2. Keith and Melissa ordered a pie for dessert. Keith ate $\frac{1}{3}$ of the pie and Melissa ate $\frac{3}{5}$ of the pie. What fraction of the pie did they eat together?	3. On Monday, it snowed 5 feet in Michigan over a period of $31\frac{2}{3}$ hours. What was the rate in inches per hour? *(Hint: First determine how many inches are in 5 feet.)*
1. Christa set a goal of running a total of 26 miles this week. She ran $3\frac{1}{4}$ miles each morning, Monday through Friday. How many miles does she need to run this weekend in order to reach her goal for the week?	2. Two friends worked out on treadmills at the gym. Andy walked 3 miles in $1\frac{1}{5}$ hours. Kelsey walked $1\frac{2}{3}$ miles in 30 minutes. Who walked at a faster rate?	3. Danielle spent $220 at the mall. She bought four shirts for $18 each and spent the rest on 5 equally priced pairs of jeans. How much did each pair of jeans cost?

1. A grocery store sells different types of candy as shown in the table below.

	Candy A	Candy B	Candy C
Cost ($)	6.50	10.72	5.04
Weight	$\frac{5}{8}$ lb.	1 lb.	8 oz.

1 lb. = 16 oz.

Which one is the best buy?

2. The table below shows how much sugar Scarlet needs to make various numbers of cupcakes.

Cupcakes	Cups of Sugar
18	3
30	5
42	7

How many cups of sugar does Scarlet need for each cupcake?

3. Solve and graph the following inequality:
$$-5x - 7 \leq 8$$

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1. Brian needs to cut a board into 8 equal sections. If the board is 32.96 feet long, how long will each section be?

2. Matthew drove 365 miles in 5 hours. Which rate is proportional to the rate at which Matthew drove? Show your work to justify your answer.

A. Ashley drove 455 miles in 7 hours.
B. Ken drove 213 miles in 3 hours.
C. Morgan drove 408 miles in 6 hours.
D. Tyler drove 584 miles in 8 hours.

3. Nancy took a cab home from her office. The cab charged a flat fee of $6 plus $3 per mile. Nancy paid $24 for the trip. How far does she live from her office?