Warm Up 1/25–1/29

Name_____

1. A school auditorium can hold 386 people. For a choir concert, there will be 23 staff members in attendance. <u>Write and solve an inequality</u> to determine how many guests each of the 33 choir members can invite.	2. Orlando and Daisy ordered a pizza for lunch. Orlando ate $\frac{1}{2}$ of the pizza and Daisy ate $\frac{3}{8}$ of the pizza. What fraction of the pizza did they eat together?	3. One of the highest snowfall rates ever recorded was in Silver Lake, Colorado, in April 1921, when just over 7 feet of snow fell in $27\frac{1}{2}$ hours. What was the rate in <u>inches</u> per hour? *(Hint: First determine how many inches are in 7 feet.)*
1. Jenna set a goal of running a total of 32 miles this week. She ran $4\frac{1}{2}$ 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. Alden walked 2 miles in $\frac{3}{4}$ hour. Kira walked $1\frac{3}{4}$ miles in 30 minutes. Who walked at a faster rate?	3. Christen spent $200 at a thrift shop. She bought three rings for $21 each and spent the rest on 4 equally priced bracelets. How much did each bracelet cost?

1. A grocery store sells different types of trail mix as shown in the table below. | Trail Mix A	Trail Mix B	Trail Mix C | |---|---|---|---| | Cost (\$) | 6 | 8.50 | 2.25 | | Weight | $\frac{3}{4}$ lb. | 1 lb. | 4 oz. | 1 lb. = 16 oz. Which one is the best buy?	2. The table below shows how much flour Quon needs to make various numbers of scones. | Scones | Cups of Flour | |---|---| | 12 | 3 | | 20 | 5 | | 28 | 7 | How many cups of flour does Quon need for each scone?	3. Solve and graph the following inequality: $$-2x + 4 \geq 6$$
1. Bethany needs to cut a board into 5 equal sections. If the board is 17.55 feet long, how long will each section be?	2. Barry read 135 pages of a book in 3 hours. Which rate is proportional to the rate at which Barry read? Show your work to justify your answer. A. Candace read 85 pages in 2 hours. B. Dean read 120 pages in 3 hours. C. Emily read 200 pages in 5 hours. D. Frank read 270 pages in 6 hours.	3. Janice took a cab home from her office. The cab charged a flat fee of \$4 plus \$2 per mile. Janice paid \$32 for the trip. How far does she live from her office?