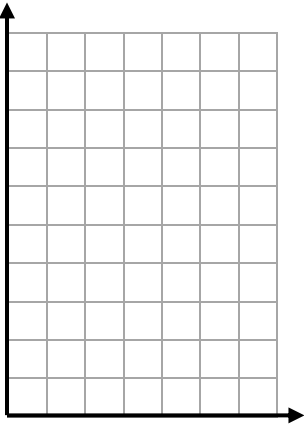# 6-7 TASKS

SOCCER FUNDRAISER

Joseph is running laps to earn money for his soccer team. His mom kept track of the laps as he ran each day, but accidentally left out some of the work.

1. Complete the table. Assume Joseph ran at a constant rate of speed. Note that each day he ran more laps than the previous day.

Day Number (d)	1	2	3	4	5	6	7	8
Number of Laps (L)	2	4	6		10	12	14	
Time in min : sec (t)	3:30	7:00			17:30			

2. How many laps did Joseph run in all?

3. In minutes, how long did it take for Joseph to run 1 lap?

4. Write an equation for the amount of time, t, that it takes Joseph to run L laps. (Hint: think about min : sec as minutes only with a fraction.)

5. Graph time versus the number of laps run using data from the table.

   Be sure to number your axes.

6. If each lap is $\frac{1}{4}$ of a mile, how many miles did Joseph run in all?

7. How long did it take for Joseph to run 1 mile?

8. At this pace, how long would it take for Joseph to run 6 miles? Explain using your graph, equation, table, and/or words.

Name _____   Period _____   Date _____

PINEAPPLE PARTY!

You want to buy 20 pounds (20 lbs) of pineapples for a Luau.

1. If a single serving of pineapple is $\frac{1}{4}$ lb, how many servings can you make with 20 lb of pineapple?

2. If Store A sells pineapples at $1.75 per lb, how much will 20 lb of pineapples cost?

3. You see ads for pineapples at four different stores. Choose the best buy(s) for purchasing 20 pounds of pineapple. Show all your work and explain your answer in words.

Store A: pineapples cost $1.75/lb.	Store B: pineapples come in a 6 lb crate for $9
Store C: pineapples come in a 25 lb case for $35	Store D: pineapples cost $1.80 per lb; you can use a coupon to take 5% off the total.