

NAME _____

HW # _____

For each word problem, set up a proportion to solve.

1) The science club washes 30 cars in 45 minutes. At this rate, how many cars can they wash in 60 minutes?

2) You can buy 5 stickers for \$3. Write a proportion that gives the cost c if you buy 12 stickers.

3) A family went on vacation and used 5.4 gallons of gasoline to travel 150 miles. How many total gallons of gasoline will they need to travel 350 miles?

4.) The label on a $1\frac{1}{2}$ pound bag of wildflower seeds states that it will cover an area of 375 sq. ft. How many sq. ft would a 1 pound bag of wildflower seeds will cover?

A. $\frac{1}{250}$

B. 250

C. $562\frac{1}{2}$

D. 750

Rates and Ratio Questions

5.) A convenience store sells two brands of orange juice. Brand A contains 8 fluid ounces and costs \$1.28. Brand B contains 12 fluid ounces and costs \$1.68.

a.) Which is the better buy?

b.) What is the difference in cost per fluid ounce between the two brands?

6.) Which of the following tables *does not* represent a proportional relationship between time and distance traveled?

A.

Time(hrs)	2	3	5
Distance(mi)	120	180	300

B.

Time(hrs)	5	10	20
Distance(mi)	200	400	800

C.

Time(hrs)	5	9	11
Distance(mi)	325	585	715

D.

Time(hrs)	2	3	7
Distance(mi)	90	135	310