NOTES: Applying Proportions

Using proportions to solve real life	1) Must Novel your proportions when you set them up
situations	2) Place an "x" in the UNYNOWN part of the MAN
	and solve for it.
Example 1	To paint the walls of their house, the Wagners mix blue paint
	to white paint in the ratio of 2: 3.5. How many gallons of
	white paint will they mix with 12 gallons of blue?
	blue dx = 40
	white 3-3 1
	*Cross multiply Ex= 219allons pain+
Example 2	At Allie's school, the ratio of books to students is 11:1. If
	there are 13,838 library books, how many students are there?
	54 Jents 1 = 13838 11x=13838
	Students X
	(X=1,258 Students)
Example 3	On Jose's block, there are 8 cars to every 5 houses. There
	are 32 cars on the block. How many houses are there?
	$\frac{6}{32} = \frac{32}{8} = \frac{8x = 160}{8}$
	houses 5 1
	$e \times = 190$
	L houses)
	T II 41 is 41 winsters How for one also well in 55
Example 4	Jean can walk 1 km in 11 minutes. How far can she walk in 55 minutes?
	11x = 55
	Km - = ~ TI
	$\frac{mn}{mn} = \frac{11}{55}$
	$\mathcal{E}_{X} = \mathcal{E}_{X}$
	C MILLIANS