Rate Problems

Using a table is often Extremely helpful!

EXI Two friends, Mario + Shania,

Share a paper route. Shania can

deliver the papers in 40 min. Mario

talus 50 minutes. How long, to the

nearest minute, do they take if they

work together?

─	Time to deliver pape	Fraction done in 1 min	Fraction done	
Shania	9	1/40	10.t = 1/40	
Mario	50	1/50	\$5.t = 4/50	
Together	t	1/4	1.t=1	

Shania + Mario = Whole paper route
$$\frac{t}{40} + \frac{t}{50} = 1$$

$$50t + 40t = 2000$$

$$\frac{90t = 2000}{90}$$

 $= \underline{\infty} - 1$

Today's Assignment

⇒ hand in by Tuesday.

Pg 349 # 9, 12, 13, 14, 17, 19 ← Fiest Seet 6.4

Due by Thursday

Pg 352 #3, 6b, 9-11, 13-15, 20, 22, 23

(Review)

CTEST IS THURS

#9 oc and x+1 are a consecutive

Add 6 to the first number: x+6 2 is subtracted from the second: x+1-2

The quotient: $\frac{x+6}{x-1}$ is $\frac{9}{2}$

so: $(x+c) = \frac{3}{2}$