

RALLY COACH: SOLVING PROBLEMS WITH RATIONAL EQUATIONS #2

Working alone, Kyle, Jennifer and Sam shovel the snow from Mr. Anderson's driveway in 4, 3, and 6 hours respectively. How long will it take them when they work together?

PARTNER A: Fill in the following table

	Time to shovel driveway	Fraction done in 1 hour
Kyle		
Jennifer		
Sam		
Together		

Partner B check and initial: _____

PARTNER B: Write an equation that relates the rates. Multiply by the LCD to eliminate fractions.

Partner A check and initial: _____

PARTNER A: Solve the resulting equation.

Partner B check and initial: _____

PARTNER B: Check the solutions and reject any extraneous roots. Answer the original question in sentence form.

Partner A check and initial: _____