**Rational Equations Row Game**

*One partner completes the exercises in column A while the other partner completes those in column B. When you compare answers, they should match. If not, work together to discover and correct the error.*

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| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following using a rational equation.   1. The cold water tap can fill a container two hours faster than the hot water tap. The two taps together can fill the container in 80 min. How long does it take each tap to fill the container on its own? |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following using a rational equation.   1. Ken takes 3 hours longer to assemble a motor than Hans. When working together, it takes them 2 hours to assemble the motor. How long would it take Ken to do the job alone? |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following using a rational equation.   1. The sum of an integer an its reciprocal is . Find the integer. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following using a rational equation.   1. A boat can travel 20 km against a current in the same direction that it can travel 60 km with the current. If the current is 4km/h, find the speed of the boat in still water. |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following using a rational equation.   1. The sum of two numbers is 38. If the larger number is divided by the smaller number, the quotient is 6 and the remainder is 3. Find the smaller number. |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. |
| Student A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. | Student B \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Algebraically solve the following rational equation. |