Direct and Inverse Variation Intervention

1. The number of kilograms of water in a person's body varies directly as the person's mass. A person with a mass of 90 kg contains 60 kg of water. How many kilograms of water are in a person with a mass of 50 kg?

2. The amount of time a worker does a job varies directly as the amount of money the worker makes. If Jose works 20 hours and gets paid $300, how much money will he make if he works 35 hours?

3. The time it takes to fly from Los Angeles to New York varies inversely as the speed of the plane. If the trip takes 6 hours at 900 km/h, how long would it take at 800 km/h?

4. The amount of time it takes to complete a project varies inversely with the number of workers. If it takes 6 people to complete a job in 5 days. How many workers are needed to complete the job in 2 days?

LIVEWORKSHEETS