

Name _____ Date _____ Per _____ Number _____

Net Force Worksheet**Directions- Draw a picture of each problem and calculate the net force.**

1. A woman exerts 100 N of force to lift a laundry basket weighing 75 N.

Net force is _____

2. Two people are pushing a disabled car. One exerts a force of 200 N east, the other a force of 150 N east. What is the net force exerted on the car?

Net force is _____

3. Two soccer players kick a ball simultaneously (at the same time) from opposite sides. Red #3 kicks with 50 N of force to the right while Blue #5 kicks with 63 N of force to the left. What is the net force on the ball?

Net force is _____

4. Mrs. Moran and Mr. Moran decided to move the cabinet in their dining room. Mrs. Moran stood on one side, and Mr. Moran stood on the other. They each pushed with 30 N of force. What was the net force on the cabinet?

Net force is _____

5. Two teams were having a tug of war. Team A had four people on the team, and each of them pulled with 25N of force. Team B had three people on the team, and each of them pulled with 35 N of force. Which team won, and how much greater was their net force on the rope?

Net force is _____

6. (REVIEW) What is the speed of a motor boat if it traveled a distance of 3,000 meters in 24 minutes?

Average speed is _____