

Name _____ Date _____ Period _____

Unit 7-1 and Unit 7-2 Review

Directions: For numbers 1-4, define the following words.

1. Define force:

2. Define acceleration:

3. Define reference point :

4. Define net force :

5. What is the unit for force? _____

6. Write the formula for the following:

a. Speed = _____

b. Time = _____

c. Distance = _____

d. Velocity = _____

Directions: For numbers 7-9, write the formula, show all work and remember your labels.

7. Abe walked 300 meters in 15 seconds. What was his average speed?

8. A train went 275 miles east in 3 hours. What was the train's velocity?

9. Tim swam 12.6 miles at a speed of 6 miles per hour. **How much time** did it take him?

Directions: Use the diagram below to answer question 9.

10. If these forces are applied to the soccer ball at the same time, what will occur?

- a. The ball will move to the left.
- b. The ball will move to the right.
- c. The ball will alternate between moving left and right.
- d. The ball will remain stationary.



11. Write two ways to decelerate.

- a. _____
- b. _____

12. Define balanced force:

13. What is the difference between speed and velocity?

Determine the Net forces below. Be sure to include the correct label and direction.

<p>17.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">19N</div> <div style="border: 1px solid black; width: 100px; height: 50px; background-color: #e0e0e0; margin-right: 10px;"></div> <div style="border: 1px solid black; padding: 5px; margin-left: 10px;">19N</div> </div> <p>Net Force Formula- _____</p> <p>Net Force= _____</p> <p>Circle one: Balanced or Unbalanced Forces</p>	<p>18.</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">27N</div> <div style="border: 1px solid black; width: 100px; height: 50px; background-color: #e0e0e0; margin-right: 10px;"></div> <div style="border: 1px solid black; padding: 5px; margin-left: 10px;">33N</div> </div> <p>Net Force Formula- _____</p> <p>Net Force= _____</p> <p>Circle one: Balanced or Unbalanced Forces</p>
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