

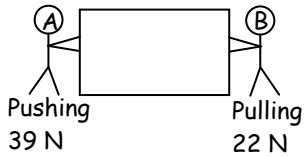
Force, Velocity, and Momentum

Name _____

Date _____

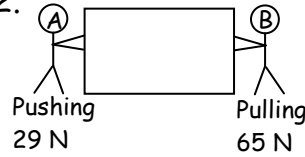
Period _____

1.



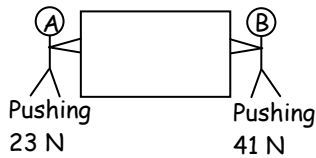
Net Force = _____

2.



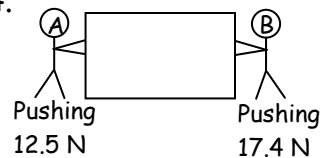
Net Force = _____

3.



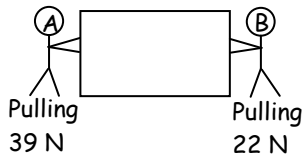
Net Force = _____

4.



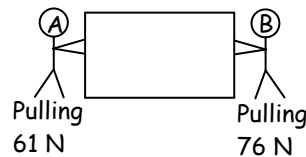
Net Force = _____

5.



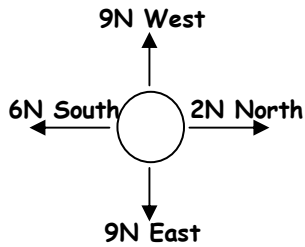
Net Force = _____

6.



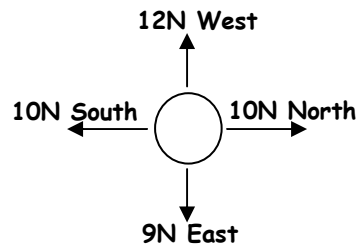
Net Force = _____

7. What is the net force on the ball and which direction will it roll?



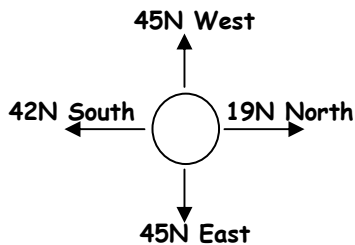
Net Force = _____

8. What is the net force on the ball and which direction will it roll?



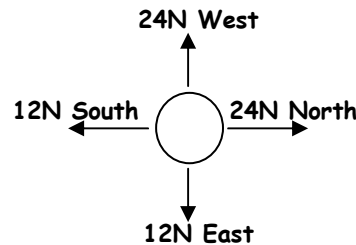
Net Force = _____

9. What is the net force on the ball and which direction will it roll?



Net Force = _____

10. What is the net force on the ball and which direction will it roll?



Net Force = _____

<p>11. A ball picking up speed as it is rolling down a hill is an example of _____? (you can circle more than one)</p> <p>balanced force. unbalanced force.</p> <p>changing velocity. velocity not changing.</p>	<p>12. A person riding a motorcycle around a track at 25 MPH is an example of a _____? (you can circle more than one)</p> <p>balanced force. unbalanced force.</p> <p>changing velocity. velocity not changing.</p>
<p>13. Two dogs playing tug-o-war with a rope and the rope is not moving is an example of ____? (you can circle more than one)</p> <p>balanced force. unbalanced force.</p> <p>changing velocity. velocity not changing.</p>	<p>14. If forces are going in the same direction you _____ the forces to find the net force? (circle one)</p> <p>add subtract</p> <p>multiply divide</p>
<p>15. Momentum is _____</p> <p>_____</p> <p>_____</p>	<p>16. Newton's are _____</p> <p>_____</p> <p>_____</p>
<p>17. Rank the objects below in order of most momentum (1) to least momentum (5).</p> <p>1. _____ Dog running 8 MPH</p> <p>2. _____ Frog jumping 2 MPH</p> <p>3. _____ Giraff sitting still</p> <p>4. _____ Elephant running 12 MPH</p> <p>5. _____ Fly flying 1 MPH</p>	<p>18. Rank the objects below in order of most momentum (1) to least momentum (5).</p> <p>1. _____ Dog running 8 MPH</p> <p>2. _____ Frog jumping 2 MPH</p> <p>3. _____ Giraff sitting still</p> <p>4. _____ Elephant running 12 MPH</p> <p>5. _____ Fly flying 1 MPH</p>
<p>19. Accelleration is _____</p> <p>_____</p> <p>_____</p>	<p>20. How does mass effect acceleration? _____</p> <p>_____</p> <p>_____</p>
<p>21. Rank which will accelerate fastest? (1,2,3)</p> <p>_____ Train _____ Car _____ Deisil Truck</p> <p>Why? _____</p> <p>_____</p> <p>_____</p>	<p>22. Which of the following will be able to stop the fastest?</p> <p>Train Car Deisil Truck</p> <p>Why? _____</p> <p>_____</p> <p>_____</p>