Forces and Motion

Grade 3 Science Worksheet

Name _____ Date _____

Circle the answer.

1. A box is pushed with 15 units from the left and 5 units from the right. Which way does it move?

   it stays still it spins in place to the left to the right

2. A ball rolls across a floor and slowly stops. Why?

   air pushes it to the side

   gravity pushes it backward

   the ball runs out of push inside it

   friction from the floor slows it

3. A pendulum takes 2 seconds to swing over and back. How long will 3 swings over and back take?

   6 seconds 5 seconds 3 seconds 2 seconds

4. Which change will make a book stop sooner when it slides across a table?

   waxing the table smooth

   pushing the book harder

   sliding it on smooth glass

   putting a rough towel on the table

5. Two children ride a seesaw. When one end goes up, what does the other end do?

   it stays still it goes down it spins around it goes up too

6. A marble rolls back and forth in a bowl. Each time it goes a little less high up the side. What will happen if no one pushes it?

   it will roll higher each time

   it will roll out of the bowl

   it will stop at the bottom

   it will stop near the top

7. Team A pulls a rope with 50 units of force. Team B pulls with 70 units. What happens?

the rope breaks in the middle

the rope moves toward Team B

the rope moves toward Team A

the rope stays still

8. Which is an example of balanced forces?

a wagon speeding up when pulled

a book resting on a table

a ball rolling faster down a hill

a kicked ball changing direction

9. A ball is dropped from 1 meter and from 2 meters. Which one is moving faster when it lands?

both at the same speed | neither, they float down | the ball from 1 meter | the ball from 2 meters

10. A wagon is pulled forward hard. Friction on the wheels is small. What happens to the wagon?

it stays still | it moves backward | it slows down | it speeds up

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Answer Key - Grade 3 Science Worksheet

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