Plan Fair Tests

Grade 4 Science Worksheet

Name _____ Date _____

Read the investigation. Write the answer on the line.

READ THIS FIRST

A toy car floor test

Nora rolled the same toy car down the same ramp onto three different floors. She let go of the car without a push and measured how far it rolled after the ramp.

Wood floor: 180 cm
Carpet floor: 60 cm
Tile floor: 240 cm

1. What was changed from one trial to the next?

_____

2. Which floor let the car roll the farthest?

_____

3. What was the result for the carpet floor? Write the number.

_____

4. Name one thing that stayed the same in every trial.

_____

5. How many more cm was the biggest result than the smallest? Write the number.

_____

6. Which floor gave the second-biggest result?

_____

7. Which floor let the car roll the shortest distance?

_____

8. Nora starts the car higher up the ramp for the tile floor than for the others. Is the test still fair? Write yes or no.

_____

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Answer Key - Grade 4 Science Worksheet

Read the investigation. Write the answer on the line.

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Wood floor: 180 cm
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1. What was changed from one trial to the next?

floor

2. Which floor let the car roll the farthest?

tile

3. What was the result for the carpet floor? Write the number.

60

4. Name one thing that stayed the same in every trial.

car

5. How many more cm was the biggest result than the smallest? Write the number.

180

6. Which floor gave the second-biggest result?

wood

7. Which floor let the car roll the shortest distance?

carpet

8. Nora starts the car higher up the ramp for the tile floor than for the others. Is the test still fair? Write yes or no.

no