Plan Fair Tests

Grade 4 Science Worksheet

Name _____ Date _____

Read the investigation. Write the answer on the line.

READ THIS FIRST

A parachute test

Omar made three parachutes from the same plastic bag. Only the size of the top was different. He dropped each one from the same window with the same washer tied on, and timed the fall.

Small top: 3 seconds
Medium top: 5 seconds
Large top: 8 seconds

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

_____

2. Which parachute stayed in the air the longest?

_____

3. What was the result for the medium parachute? Write the number.

_____

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

_____

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

_____

6. Which parachute gave the second-biggest result?

_____

7. Which parachute fell the fastest?

_____

8. Omar drops the large parachute from a higher window than the others. Is the test still fair? Write yes or no.

_____

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Answer Key - Grade 4 Science Worksheet

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A parachute test

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Small top: 3 seconds
Medium top: 5 seconds
Large top: 8 seconds

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

size of the parachute

2. Which parachute stayed in the air the longest?

large

3. What was the result for the medium parachute? Write the number.

5

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

washer

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

5

6. Which parachute gave the second-biggest result?

medium

7. Which parachute fell the fastest?

small

8. Omar drops the large parachute from a higher window than the others. Is the test still fair? Write yes or no.

no