Plan Fair Tests

Grade 4 Science Worksheet - Challenge Me

Name _____ Date _____

Read the investigation. Write the answer on the line.

READ THIS FIRST

A paper towel test

Leo tested three kinds of paper towel. He cut each one into a square of the same size, dipped it in water for five seconds, and measured how much water was soaked up.

Thin towel: 20 mL
Ridged towel: 45 mL
Thick towel: 35 mL

1. What was measured in each trial?

_____

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

_____

3. How many more mL was the biggest result than the smallest? Write the number.

_____

4. Add the results for the thin towel and the thick towel. Write the number.

_____

5. Which towel gave the second-biggest result?

_____

6. Leo dips the thick towel for ten seconds and the other towels for five seconds. Is the test still fair? Write yes or no.

_____

7. What should the tester do to be more sure of the results? Write two or three words.

_____

8. Leo says, "The thickest towel always soaks up the most." Which towel's result does not fit?

_____

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Answer Key - Grade 4 Science Worksheet - Challenge Me

Read the investigation. Write the answer on the line.

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Ridged towel: 45 mL
Thick towel: 35 mL

1. What was measured in each trial?

water soaked up

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

size

3. How many more mL was the biggest result than the smallest? Write the number.

25

4. Add the results for the thin towel and the thick towel. Write the number.

55

5. Which towel gave the second-biggest result?

thick

6. Leo dips the thick towel for ten seconds and the other towels for five seconds. Is the test still fair? Write yes or no.

no

7. What should the tester do to be more sure of the results? Write two or three words.

repeat the test

8. Leo says, "The thickest towel always soaks up the most." Which towel's result does not fit?

thick