# Plan Fair Tests

Grade 4 Science Worksheet

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 changed from one trial to the next?

_____

2. Which towel soaked up the most water?

_____

3. What was the result for the ridged towel? Write the number.

_____

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

_____

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

_____

6. Which towel gave the second-biggest result?

_____

7. Which towel soaked up the least water?

_____

8. Leo dips the thick towel for ten seconds and the other towels for five seconds. 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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## A paper towel test

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

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

**kind of paper towel**

2. Which towel soaked up the most water?

**ridged**

3. What was the result for the ridged towel? Write the number.

**45**

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

**size**

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

**25**

6. Which towel gave the second-biggest result?

**thick**

7. Which towel soaked up the least water?

**thin**

8. 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**