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 plane test

Maya made three paper planes with different wing sizes. She threw each plane once from the same spot and measured how far it flew.

Small wings: 4 m
Medium wings: 9 m
Large wings: 6 m

1. What was measured in each trial?

_____

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

_____

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

_____

4. Add the results for the small plane and the large plane. Write the number.

_____

5. Which plane gave the second-biggest result?

_____

6. Maya throws the large plane much harder than the other two. 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. Maya says, "The bigger the wings, the farther the plane flies." Which plane'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.

READ THIS FIRST

A paper plane test

Maya made three paper planes with different wing sizes. She threw each plane once from the same spot and measured how far it flew.

Small wings: 4 m
Medium wings: 9 m
Large wings: 6 m

1. What was measured in each trial?

distance

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

paper

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

5

4. Add the results for the small plane and the large plane. Write the number.

10

5. Which plane gave the second-biggest result?

large

6. Maya throws the large plane much harder than the other two. 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. Maya says, "The bigger the wings, the farther the plane flies." Which plane's result does not fit?

large