Plan Fair Tests

Grade 4 Science Worksheet

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 changed from one trial to the next?

_____

2. Which plane flew the farthest?

_____

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

_____

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

_____

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

_____

6. Which plane gave the second-biggest result?

_____

7. Which plane flew the shortest distance?

_____

8. Maya throws the large plane much harder than the other two. 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.

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
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Large wings: 6 m

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

wing size

2. Which plane flew the farthest?

medium

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

9

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

paper

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

5

6. Which plane gave the second-biggest result?

large

7. Which plane flew the shortest distance?

small

8. Maya throws the large plane much harder than the other two. Is the test still fair? Write yes or no.

no