

TEST

DIRECTIONS: Fix this scientific test to make it more SPECIFIC and MEASURABLE.

Cassie wrote this test to experiment with the question:

Fix her test on this side to make it more SPECIFIC and MEASURABLE.

QUESTION: Will a paper airplane fly further with a paperclip on it?

1) Throw the paper airplane without the paperclip a few times.

1. Put the paperclip on the airplane
2. Throw the airplane ✓
3. See how far it goes
4. Take the paperclip off
5. Throw the airplane without the paperclip
6. See how far it goes
7. Then look at your results
8. See which one went further ✓

2) Put the paper clip on.

3) Throw it again

X tool
X unit

4) See which one goes further.

What common mistake was made in this example?

Answer here:

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QUESTION: Will a paper airplane fly further with a paperclip on it?

1) Throw the paper airplane without the paperclip a few times.

Take the paper airplane, and throw it 4 times and measure how far it goes.

2) Put the paper clip on.

Put the paper clip on the same airplane and throw it 4 times and see how far it goes with a yardstick.

3) Throw it again. Throw it once or twice again, and measure it with a yardstick.

4) See which one goes further.

Using your yardstick see which one went farther in

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2) Put the paper clip on.

3) Throw it again

4) See which one goes further.

1) Throw a paper airplane without a paper clip.

2) Measure the distance with a ruler using centimeter

3) Put the paper clip on the paper airplane at the tip of it.

4) Throw this airplane.

5) Record the data and compare the answers.

How does your answer compare to this example? What 5 parts does it have?

Answer here:

RESULTS

W a data table and arrange the results of the roofing experiment from below. Don't forget a data table!!

White roofing shingles got up to 120 degrees C. Brown roofing shingles got up to 100 degrees C. Black roofing shingles got up to 130 degrees C.

What colored roof shingles get hottest?

Color	Temp they got
White shingles	120°C
Brown shingles	100°C
Black shingles	130°C

What common mistake was made in this example?

Answer here:

How does your answer compare to this example?

Answer here:

RESULTS

W a data table and arrange the results of the roofing experiment from below. Don't forget a data table!!

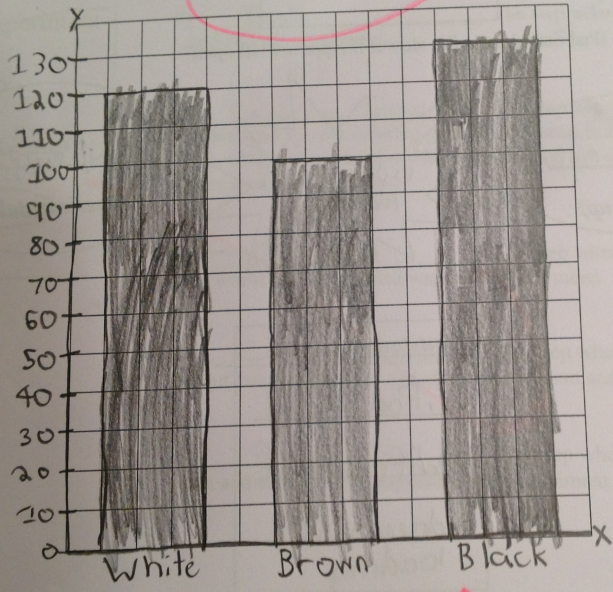
White roofing shingles got up to 120 degrees C. Brown roofing shingles got up to 100 degrees C. Black roofing shingles got up to 130 degrees C.

What color shingles gets hottest?

Shingles	C° (Temp)
white	120°C
brown	100°C
Black	130°C

DIRECTIONS: DRAW a Bar Graph to show the

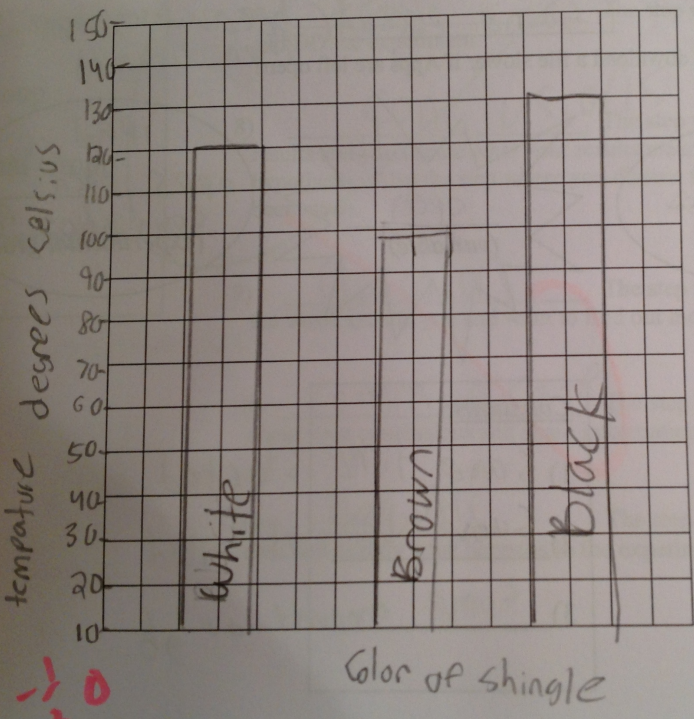
Question: What color roofing shingles keep a house the coolest?



What common mistake was made in this example?

Answer here:

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