

Science—Spring 2010

- 37 Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:
Black Dark gray Light gray <input checked="" type="radio"/> White
How that color might affect the doghouse:
White paint on the doghouse would make the inside cooler on hot days. As shown in the experiment, the white outside makes light shining on the container lid produce less heat inside. For example, after 10 minutes under the lamp with a black lid on the jar, the average temperature inside the jar was 53°C , but when the same was done to a jar with a white lid, the temperature inside was 42°C .

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A-2

- 37 Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:			
Black	Dark gray	Light gray	<input checked="" type="radio"/> White
How that color might affect the doghouse:			
The color white might affect the doghouse by keeping the inside a cooler temperature than the other colors. I know this because on the data table it shows that the temp. of air inside the jar with a white lid was 42°C . The temperature of air inside a jar with a black lid is 53°C . Clearly this shows that white is a good color to use because it will keep the inside of the doghouse cool.			

A-3A

Lithocode: 993905131

Question: Grade 08 Science

Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:

white

How that color might affect the doghouse:

The way the color of the doghouse might affect it is; if the doghouse is painted black the temperature could get too hot when the sun is shining on it. if the temperature would be painted white then in the doghouse wont be so hot. I know this because the data shows that the black lid of the jar made the temperature be

about 53°C in the jar. Then the color of the lid changed lighter and lighter and the white lid made the temperature of the jar about 42°C

Symbols

A-5

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:
Black
Dark gray
Light gray
<input checked="" type="radio"/> White

How that color might affect the doghouse: The white color i think will keep the doghouse cooler inside because if it was a dark color then it would conduct the heat and make itt warm inside bent since its white then it will reflect the heat.

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A-6

- 37 Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:

Black



Dark gray

Light gray

White

How that color might affect the doghouse:

This way if its cold, after a sunny day, the dog house will be warm. And if its really hot, Black would make it even hotter. So its about win

A-6A

Lithocode: 993908993

Question: Grade 08 Science

Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:

white

How that color might affect the doghouse:

this is because the color white reflect the s un ray keeping the dog house cooler for the dog thats lives in this dog h ouse

Symbols

Science—Spring 2010

A-8

- 37 Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:
Black <input checked="" type="radio"/> Dark gray Light gray White
How that color might affect the doghouse:
It would change the mood
of the dog. Well what
would happen is that
The dog might be distressed
because it is gray.

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A-9

- 37 Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:			
<input checked="" type="radio"/> Black	Dark gray	Light gray	White
How that color might affect the doghouse: At night			
When the dog is trying to			
sleep, having the paint color			
as black on the walls to make			
it darker on the inside of the			
house. When the dog is trying			
to sleep			

A 9-A

Lithocode: 993910546

Question: Grade 08 Science

Brandi and Jerry were designing a doghouse. Use the results from the experiment to describe the best paint color for the doghouse.

In your description, be sure to:

- Choose a paint color.
- Describe how that color might affect the inside of the doghouse.
- Use results from the experiment to support your description.

Choose a color:

light gray

How that color might affect the doghouse:

the dog house would make the dog cute

Symbols

G8 2012 Op
Item 13 (#S800-32216): Color for Doghouse
Anchor Set Scoring Annotations

A-1

Scoring Annotations for Student Response 88406511	Score Points
<p>Color: White</p> <p>Effect on doghouse: ...on the doghouse would make the inside cooler on hot days.</p> <p>Results from experiment: ... a white outside makes light shining on the container lid produce less heat inside. OR ... after 10 minutes under the lamp with a black lid on the jar, the average temperature inside the jar was 53C, but when the same was done to a jar with a white lid, the temperature inside was 42C.</p>	2

A-2

Scoring Annotations for Student Response 88405485	Score Points
<p>Color: White</p> <p>Effect on doghouse: ... keeping the inside a cooler temperature than the other colors.</p> <p>Results from experiment: ... the temp. of air inside the jar with a white lid was 42°C. The temperature of air inside a jar with a black lid is 53°C.</p>	2

A-3

Scoring Annotations for Student Response 88406435	Score Points
<p>Color: Black</p> <p>Effect on doghouse: ...will keep the inside of the dog house warm because a dark color will absorb more energy causing the temperature to increase.</p> <p>Results from experiment: ...the darker the color, the greater the temperature would be inside the dog house.</p>	2

G8 2012 Op
Item 13 (#S800-32216): Color for Doghouse
Anchor Set Scoring Annotations

A-3A

Scoring Annotations for Student Response 993905131	Score Points
<p>Color: white</p> <p>Effect on doghouse: ...if the doghouse is painted black the temperature could get too hot when the sun is shining on it. OR</p> <p><i>If the temperature would be painted white then in the doghouse wont be so hot.</i></p> <p>Results from experiment: ... the black lid of the jar made the temperature be about 53°C in the jar. Then the color of the lid changed lighter and lighter and the white lid made the temperature of the jar about 42°C</p>	2

A-4

Scoring Annotations for Student Response 88405436	Score Points
<p>Color: Black</p> <p>Effect on doghouse: ...absorbs the most heat energy making the doghouse warm.</p> <p>Results from experiment: None</p>	1

A-5

Scoring Annotations for Student Response 88405038	Score Points
<p>Color: White</p> <p>Effect on doghouse: ... will keep the doghouse cooler inside... OR</p> <p><i>...because if it (the doghouse) was a dark color then it (the doghouse) would conduct the heat and make it (the doghouse) warm inside...</i></p> <p>Results from experiment: None</p>	1

G8 2012 Op
Item 13 (#S800-32216): Color for Doghouse
Anchor Set Scoring Annotations

A-6

Scoring Annotations for Student Response 88405323	Score Points
<p>Color: Dark gray</p> <p>Effect on doghouse: <i>This way if its (temperature) cold, after a sunny day, the dog house will be warm. And if its (temperature) really hot, Black would make it (temperature) even hotter. So its (temperature) about even</i></p> <p>Results from experiment: None</p>	1

A-6A

Scoring Annotations for Student Response 993908993	Score Points
<p>Color: <i>white</i></p> <p>Effect on doghouse: <i>... keeping the dog house cooler</i></p> <p>Results from experiment: None</p>	1

A-7

Scoring Annotations for Student Response 88407553	Score Points
<p>Color: Light gray</p> <p>Effect on doghouse: None</p> <p>Results from experiment: None</p>	0

G8 2012 Op
Item 13 (#S800-32216): Color for Doghouse
Anchor Set Scoring Annotations

A-8

Scoring Annotations for Student Response 88407114	Score Points
Color: Dark gray Effect on doghouse: None Results from experiment: None	0

A-9

Scoring Annotations for Student Response 88405015	Score Points
Color: Black Effect on doghouse: <i>At nite when the dog is trying to sleep, having the paint color as black on the walls to make it darker on the inside of the house when the dog is trying to sleep</i> Not connected to the experiment Results from experiment: None	0

A-9A

Scoring Annotations for Student Response 993910546	Score Points
Color: light gray Effect on doghouse: None Results from experiment: None	0