

Can we sense that?

Answer Key

Name: _____

Date: _____

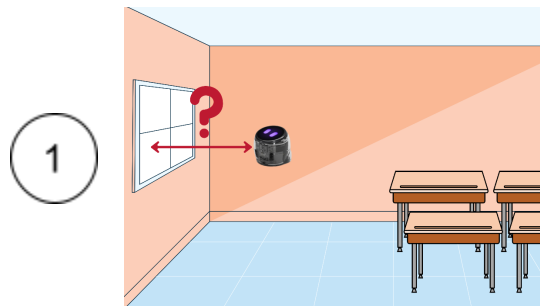
Vocabulary

Material - anything used for building or making new things

Reflect - to throw back light, heat, sound from an object

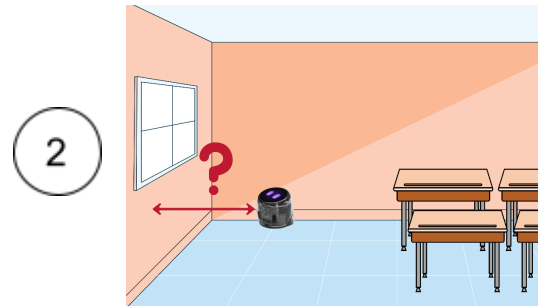
Activity 1

Measure the distance to a window and a wall next to the window.



(Answers will vary based on taped distance from window.)

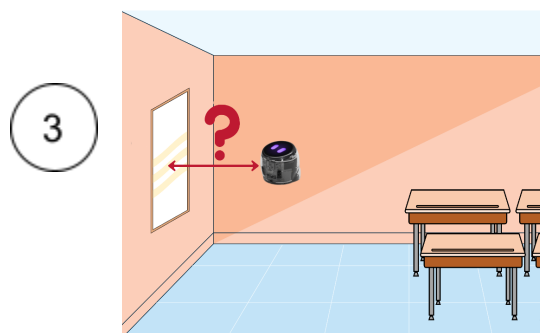
15 inches



(Answers will vary based on taped distance from wall.)

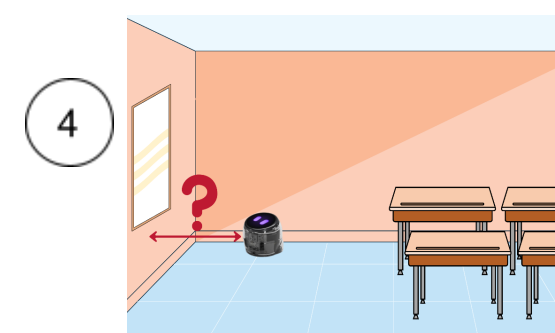
13 inches

Measure the lengths to a mirror and a wall next to the window.



(Answers will vary based on taped distance from mirror.)

10 inches



(Answers will vary based on taped distance from wall.)

8 inches

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Activity 2

Choose three of the objects shown and measure the lengths to each object. Draw a line to show which objects you've chosen.

1

(Answers will vary based on student position.)

24 inches

2

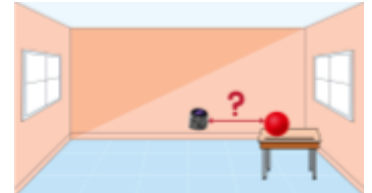
(Answers will vary based on student position.)

17 inches

3

(Answers will vary based on student position.)

11 inches



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Exit Ticket

Please respond to the following prompts.

1. Question 1: What kinds of materials were the easiest for the Ari to sense?

Flat, reflective materials are usually the easiest for Ari to sense!

2. Question 2: Was there a difference in Ari's distance measurement when it sensed a reflective material like a mirror or a solid material like the wall?

The distance measurement to a window or mirror can be more inaccurate than just a wall.