Around or Cover?

Spot the distance around and the space covered.

CCSS.Math.Content.3.MD.D "Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures."

NAME _____ DATE _____

PERIMETER

Perimeter is the distance around the outside of a flat shape. It uses linear units, such as feet or inches.

A 15-meter rope circles a pool.

AREA

Area is the amount of space a flat shape covers. It uses square units, such as square feet or square inches.

A map uses 9 square centimeters of blue ink.

1 SORT

8 items

Circle the category for each statement, then pick two items and explain how you knew.

1.	A banner needs 26 inches of border.	PERIMETER AREA
2.	The distance around a pond is 40 feet.	PERIMETER AREA
3.	A book cover has 30 square inches of paper.	PERIMETER AREA
4.	A dog run needs 36 feet of fencing.	PERIMETER AREA
5.	A wall has 54 square feet of paint.	PERIMETER AREA
6.	A tabletop covers 18 square feet.	PERIMETER AREA
7.	A window needs 22 inches of trim.	PERIMETER AREA
8.	A sandbox has 56 square feet of sand.	PERIMETER AREA

2 PROVE IT

Explain your thinking

Pick two items from Part 1. For each one, tell how you knew where it belonged.

ITEM # _____ **HOW I KNEW** _____

ITEM # _____ **HOW I KNEW** _____

3 MAKE YOUR OWN

One of each

Write one new perimeter example and one new area example. Include a number and the correct kind of unit.

PERIMETER _____

AREA _____

CHALLENGE

A rectangular patio is 6 feet long and 4 feet wide. Write its perimeter and area with correct units, then tell which measure is linear and which is area.

ANSWER KEY

Around or Cover?

GRADE 3 · 3.MD.D

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	A banner needs 26 inches of border.	**PERIMETER**	Border measures the distance around the banner in linear inches.
2	The distance around a pond is 40 feet.	**PERIMETER**	Distance around is perimeter and uses linear feet.
3	A book cover has 30 square inches of paper.	**AREA**	Square inches measure the surface covered.
4	A dog run needs 36 feet of fencing.	**PERIMETER**	Fencing goes around the outside and is measured in linear feet.
5	A wall has 54 square feet of paint.	**AREA**	Square feet measure the wall surface covered by paint.
6	A tabletop covers 18 square feet.	**AREA**	Square feet measure the surface of the tabletop.
7	A window needs 22 inches of trim.	**PERIMETER**	Trim goes around the window and is measured in linear inches.
8	A sandbox has 56 square feet of sand.	**AREA**	Square feet measure the surface covered by sand.

PART 2 · PROVE IT

Accept any explanation that names the deciding feature from the rule box for the chosen item.

PART 3 · MAKE YOUR OWN (SAMPLE ANSWERS)

- **PERIMETER**: A card needs 18 centimeters of ribbon along its outside.
- **AREA**: A flag has 12 square centimeters of fabric.

Challenge: The perimeter is 20 feet, which is linear. The area is 24 square feet, which is area.

Accept any explanation that names the deciding feature from the rule box for the chosen item. For Part 2, accept explanations that identify distance around and linear units for perimeter, or covered surface and square units for area. For Part 3, accept any accurate new examples with matching units.