Length Match

Sort lengths in inches, feet, and yards.

4.GM.2.5 "Recognize and use the relationship between inches, feet, and yards to measure and compare objects."

NAME _____ DATE _____

SAME LENGTH

The two measurements show the same length. Use 12 inches = 1 foot and 3 feet = 1 yard to check.

A bookshelf: 2 feet and 24 inches

DIFFERENT LENGTHS

The two measurements do not show the same length. Change them to the same unit to compare them.

A jump rope: 1 yard and 2 feet

1 SORT

8 items

For each object, circle SAME or DIFFERENT, then choose two numbered items and explain how you know for each in Part 2.

1.	A bench: 36 inches and 1 yard	SAME DIFFERENT
2.	A path: 5 feet and 60 inches	SAME DIFFERENT
3.	A fence: 2 yards and 5 feet	SAME DIFFERENT
4.	A hallway: 9 feet and 3 yards	SAME DIFFERENT
5.	A door: 48 inches and 3 feet	SAME DIFFERENT
6.	A ribbon: 1 yard and 30 inches	SAME DIFFERENT
7.	A ladder: 72 inches and 2 yards	SAME DIFFERENT
8.	A garden: 4 yards and 12 feet	SAME DIFFERENT

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 two new pairs of measurements using inches, feet, or yards: one SAME pair and one DIFFERENT pair.

SAME

DIFFERENT

CHALLENGE

A string is 2 yards long. You cut off 3 feet. How many inches of string remain? Show how you know.

ANSWER KEY

Length Match

GRADE 4 · 4.GM.2.5

PART 1 · SORT

#	ITEM	CATEGORY	WHY
1	A bench: 36 inches and 1 yard	**SAME**	1 yard equals 36 inches.
2	A path: 5 feet and 60 inches	**SAME**	5 feet equals 60 inches.
3	A fence: 2 yards and 5 feet	**DIFFERENT**	2 yards equals 6 feet, not 5 feet.
4	A hallway: 9 feet and 3 yards	**SAME**	3 yards equals 9 feet.
5	A door: 48 inches and 3 feet	**DIFFERENT**	48 inches equals 4 feet, not 3 feet.
6	A ribbon: 1 yard and 30 inches	**DIFFERENT**	1 yard equals 36 inches, not 30 inches.
7	A ladder: 72 inches and 2 yards	**SAME**	2 yards equals 72 inches.
8	A garden: 4 yards and 12 feet	**SAME**	4 yards equals 12 feet.

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)

- **SAME**: 7 feet and 84 inches
- **DIFFERENT**: 2 feet and 20 inches

Challenge: 36 inches remain. Two yards is 6 feet, and 6 feet minus 3 feet is 3 feet. Three feet is 36 inches.

For Part 2, accept any two numbered items with correct explanations that compare lengths using 12 inches = 1 foot or 3 feet = 1 yard.