Sidewalk Word Detectives

Use word parts to read about a sidewalk investigation.

5.RF.1 "There is not a grade 5 standard for this concept. Please see preceding grades for more information."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Find preselected, unshaded, repositioned, and rechecked in the passage. Circle the prefix in each word and underline the base word that follows it.

A Sidewalk in the Sun

1 On a hot afternoon, Maya and Luis tested two spots on the same sidewalk. They had preselected a sunny patch beside the basketball court and a shaded patch beneath a tree. Their tool was an infrared thermometer, which measures the temperature of a surface without touching it. They waited until both spots were dry so puddles would not change the readings.

2 First, Maya pointed the thermometer at the unshaded concrete. It read 42 degrees Celsius. Luis then aimed at the concrete under the tree, which read 31 degrees Celsius. When his hand blocked the tool's view, he repositioned the thermometer and took the shaded reading again. The new reading was still 31 degrees Celsius, so they recorded it.

3 Before sharing their results, the partners rechecked the sunny patch. It still read 42 degrees Celsius. The two readings showed that the sunlit concrete was 11 degrees warmer than the shaded concrete at that time. Maya suggested that shade might help keep a playground surface cooler. Luis noted that one afternoon of testing could not show what happens on every day.

2 ANSWER WITH EVIDENCE

Use the passage

1. In preselected, what does the prefix tell you about when Maya and Luis chose their spots?

2. Divide unshaded into its prefix and base word. What does the whole word tell you about the concrete Maya tested first?

3. In repositioned, what does the prefix tell you Luis did after his hand blocked the thermometer's view?

4. Divide rechecked into its prefix and base word. Why does that word fit what the partners did before sharing their results?

3 YOUR TURN

Your own words

Invent a different simple test and describe it in two or three sentences. Use two multisyllabic words with different prefixes from pre-, un-, and re-, marking each with a slash between its prefix and base; do not use the four words you marked in the passage.

ANSWER KEY # Sidewalk Word Detectives

GRADE 5 · 5.RF.1

PART 1 · READ AND MARK

Find preselected, unshaded, repositioned, and rechecked in the passage. Circle the prefix in each word and underline the base word that follows it. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	In preselected, what does the prefix tell you about when Maya and Luis chose their spots?	**Pre- means before. They chose the spots before they began testing.**
2	Divide unshaded into its prefix and base word. What does the whole word tell you about the concrete Maya tested first?	**Un- and shaded. The concrete was not shaded.**
3	In repositioned, what does the prefix tell you Luis did after his hand blocked the thermometer's view?	**Re- means again. Luis moved the thermometer to a new position and took the reading again.**
4	Divide rechecked into its prefix and base word. Why does that word fit what the partners did before sharing their results?	**Re- and checked. They checked the sunny patch again before sharing their results.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

I pre/arranged three cups of water at different temperatures. I left each cup un/covered for ten minutes, then measured how much its temperature changed.

Accept equivalent explanations that connect each prefix to the action in the passage. Grade 5 has no separate RF.1 expectation; this worksheet extends word-analysis skills from preceding grades.