Plan the Pots

Use a seed table and garden notes to make planting decisions.

RI.5.7 "Analyze information from multiple print and non-print formats, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently."

NAME _____ DATE _____

1 READ AND MARK

Read it twice

YOUR JOB Underline the light and pot-depth limits in the passage, circle the two deadlines, and number the table rows from earliest to latest estimated harvest. Use your marks to find which crops fit each plan.

A Garden Before the Fair

1 A fifth-grade class has four empty pots and a spring fair ahead. The students want to grow something they can taste at the fair. Each pot is 8 inches deep. Two pots sit beside a sunny wall and get at least six hours of direct sun. Two sit under a tree and get about four hours.

2 The seed packets list an estimated number of days from planting to harvest. These are estimates, not promises. In the table, "full sun" means at least six hours of direct light each day. "Partial shade" means about four hours. A pot must be at least as deep as the number listed for its crop.

SEED PACKET INFORMATION

Crop	Light needed	Days to harvest	Pot depth needed
Radish	Full sun	30	6 inches
Bush bean	Full sun	55	8 inches
Leaf lettuce	Partial shade	45	6 inches
Carrot	Full sun	75	12 inches

3 The class will plant today, and the fair is 30 days away. On fair day, students hope to serve a fresh snack from one pot. After the fair, they will keep growing the other crops until the end of the term, 60 days from today. They cannot move the pots to brighter spots or replace them with deeper ones.

2 ANSWER WITH EVIDENCE

Use the passage

1. Which crop could the class harvest for a snack at the fair? Where should its pot sit?

2. Which crop could grow under the tree and be harvested before the term ends? Use the table to explain.

3. Could the class harvest bush beans before the term ends? Explain which pots would work.

4. Could the class grow carrots in one of its sunny pots and harvest them before the term ends? Give two reasons.

3 YOUR TURN

Your own words

Imagine another class has one 12-inch-deep pot in full sun for 110 days. Recommend two different crops to grow in that pot, one after the other, and explain with time math why both could be harvested by day 110.

Plan the Pots

PART 1 · READ AND MARK

Underline the light and pot-depth limits in the passage, circle the two deadlines, and number the table rows from earliest to latest estimated harvest. Use your marks to find which crops fit each plan. Accept any marking that follows this job and points at the right text.

PART 2 · ANSWERS

#	QUESTION	ANSWER
1	Which crop could the class harvest for a snack at the fair? Where should its pot sit?	**Radishes could be ready in 30 days. Their pot should sit beside the sunny wall.**
2	Which crop could grow under the tree and be harvested before the term ends? Use the table to explain.	**Leaf lettuce needs partial shade and an estimated 45 days to harvest, which is before day 60.**
3	Could the class harvest bush beans before the term ends? Explain which pots would work.	**Yes. Bush beans need 55 days, full sun, and an 8-inch-deep pot, so either sunny pot would work.**
4	Could the class grow carrots in one of its sunny pots and harvest them before the term ends? Give two reasons.	**No. The pots are only 8 inches deep, but carrots need 12 inches. Carrots also take an estimated 75 days, beyond the 60-day deadline.**

PART 3 · YOUR TURN (SAMPLE ANSWER)

Plant radishes first, then plant carrots after harvesting the radishes. Their estimated growing times add up to 105 days, which fits within 110 days. Both crops need full sun, and the 12-inch-deep pot is deep enough for each one.

Accept any two different crops whose combined estimated harvest times are at most 110 days and whose light and depth needs fit the new pot. Students should treat harvest times as estimates, not guarantees.