

25 Which set of data below does **not** show a constant rate of change?

A.

| Cups of Flour | Cookies Made |
|---------------|--------------|
| 2             | 24           |
| 4             | 48           |
| 6             | 72           |

B.

| Number of Books | Price Paid |
|-----------------|------------|
| 6               | \$30.00    |
| 12              | \$60.00    |
| 18              | \$90.00    |

C.

| Time    | Pages Read |
|---------|------------|
| 2 hours | 80         |
| 4 hours | 160        |
| 6 hours | 240        |

D.

| Games | Total Points Scored |
|-------|---------------------|
| 3     | 15                  |
| 6     | 20                  |
| 12    | 25                  |

26 If  $\frac{1}{4} \times 2 \times \square = \frac{1}{4} \times 16$ , what is the value of  $\square$ ?

A.  $\square = 4$

B.  $\square = 6$

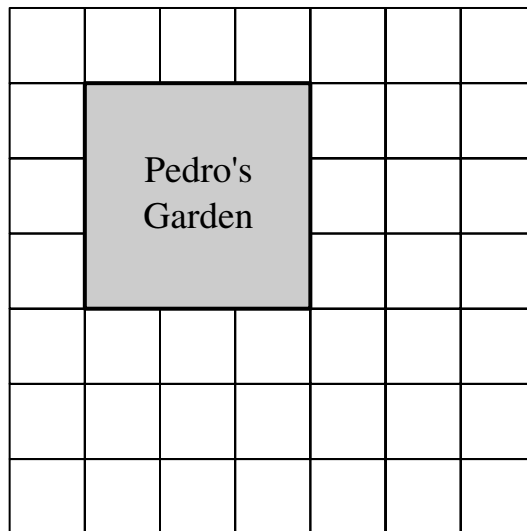
C.  $\square = 8$


D.  $\square = 14$

Question 27 is an open-response question.

- **BE SURE TO ANSWER AND LABEL ALL PARTS OF THE QUESTION.**
- **Show all your work (drawings, tables, or computations) in your Student Answer Booklet.**
- **If you do the work in your head, explain in writing how you did the work.**

**27** In the grid below, each square represents one square yard of land. Twenty carrot plants can fit in one square yard of land.



 represents 1 square yard.

- a. How many square yards are in Pedro's garden? How many plants can fit in Pedro's garden? Show or explain your work.
- b. How many yards of fencing does Pedro need to enclose his garden? Show or explain your work.
- c. Sean encloses a rectangular garden with 16 yards of fencing. Is it possible that Pedro's garden can contain more plants than Sean's garden? If not, explain why not. If so, draw an example on the grid in your answer booklet and tell how many plants can fit in Sean's and Pedro's gardens. Show or explain your work.

- 28 In the input-output table below, what will be the value of  $y$  when  $x = 5$ ?

| <b>Input</b> | <b>Output</b> |
|--------------|---------------|
| $x$          | $y$           |
| 2            | 5             |
| 3            | 7             |
| 4            | 9             |
| 5            | ?             |