LESSON MAKER PRO

Plot the Pairs

Turn table rows into points on a coordinate plane.

GRADE 5 · 5.OA.B.2.c

5.OA.B.2.c "Graph ordered pairs from an input/output table on a coordinate plane."

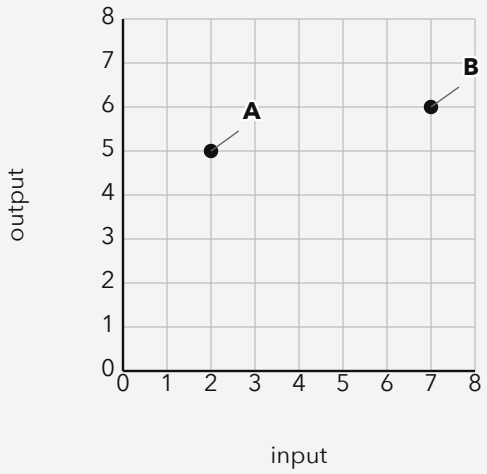
NAME _____ DATE _____

FROM TABLE TO GRID

Each row of an input/output table makes one ordered pair. Put the input first. On the grid, move right to the input, then up to the output.

WORKED EXAMPLE

A table has inputs 2, 7 and outputs 5, 6. How are its two rows shown on the grid?



1. Match each input with the output in its row: 2 with 5, and 7 with 6.
2. Move right 2 and up 5 to find A.
3. Move right 7 and up 6 to find B.

Answer: A is (2, 5). B is (7, 6).

PRACTICE 4 problems

1 Inputs: 0, 3. Outputs: 4, 8. Write the two ordered pairs you would graph.

ANSWER _____

2 Inputs: 1, 4. Outputs: 3, 0. Write the two ordered pairs you would graph.

ANSWER _____

3 Inputs: 3, 8. Outputs: 1, 4. Write the two ordered pairs you would graph.

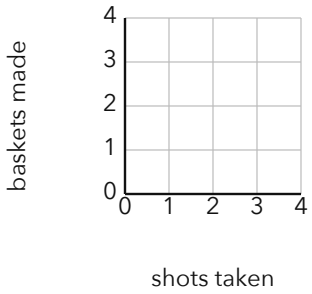
ANSWER _____

4 Inputs: 4, 0. Outputs: 8, 1. Write the two ordered pairs you would graph.

ANSWER _____

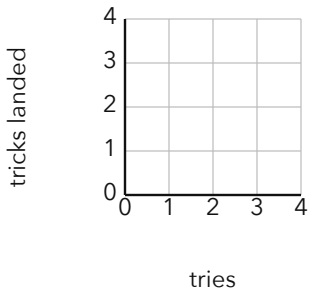
APPLY IT Show your work

1 A player tracks basketball shots. Shots taken: 0, 1, 3, 4. Baskets made: 0, 1, 3, 3. Plot the table on the grid.



ANSWER _____

2 A skater tracks new tricks. Tries: 0, 1, 3, 4. Tricks landed: 0, 0, 1, 3. Plot the table on the grid.



ANSWER _____

CHALLENGE One step up

Inputs: 0, 3, 4. Outputs: 4, 1, 0. Sam says the first point to plot is (4, 0). What did Sam do wrong? Write all three correct pairs.

WORK SPACE AND ANSWER

ANSWER KEY

Plot the Pairs

GRADE 5 · 5.OA.B.2.c

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Inputs: 0, 3. Outputs: 4, 8. Write the two ordered pairs you would graph.	**(0, 4), (3, 8)**
2	Inputs: 1, 4. Outputs: 3, 0. Write the two ordered pairs you would graph.	**(1, 3), (4, 0)**
3	Inputs: 3, 8. Outputs: 1, 4. Write the two ordered pairs you would graph.	**(3, 1), (8, 4)**
4	Inputs: 4, 0. Outputs: 8, 1. Write the two ordered pairs you would graph.	**(4, 8), (0, 1)**

PART 2 · APPLY IT

1. **Plot (0, 0), (1, 1), (3, 3), and (4, 3).** Pair each number of shots with the number of baskets in the same position. Plot shots on the horizontal axis and baskets on the vertical axis.
2. **Plot (0, 0), (1, 0), (3, 1), and (4, 3).** Pair each number of tries with the number of tricks landed in the same position. Plot tries on the horizontal axis and tricks landed on the vertical axis.

CHALLENGE

Sam put the output before the input. The correct pairs are (0, 4), (3, 1), and (4, 0).

For the word problems, accept correctly placed dots without labels. The challenge response must identify the reversed coordinates and give all three pairs.