LESSON MAKER PRO

Pair Up Tables

Turn input and output values into ordered pairs.

GRADE 5 · 5.OA.B.2.b

5.OA.B.2.b "Form ordered pairs from values in an input/output table."

NAME _____ DATE _____

INPUT COMES FIRST

An ordered pair has two values written as (input, output). Use values from the same row of a table, and always write the input first.

WORKED EXAMPLE

Write an ordered pair for each row.

INPUT AND OUTPUT

Input	Output
11	33
13	39

1. Match input 11 with output 33 in the first row.
2. Write the input first: (11, 33).
3. Match the values in the second row: (13, 39).

Answer: (11, 33) and (13, 39)

PRACTICE 6 problems

1 Write the ordered pair for input 4.

INPUT AND OUTPUT

Input	Output
2	6
4	10
6	14

ANSWER _____

2 Write the ordered pairs for inputs 1 and 5.

INPUT AND OUTPUT

Input	Output
1	3
3	5
5	7

ANSWER _____

3 In column B, what ordered pair do the input and output form?

INPUT AND OUTPUT

Value	A	B	C
Input	2	4	8
Output	9	15	27

ANSWER _____

4 Write the ordered pair that has an output of 26.

INPUT AND OUTPUT

Input	Output
3	18
5	22
7	26

ANSWER _____

5 The output is 4 more than the input. Find the missing output, then write the ordered pair for input 4.

INPUT AND OUTPUT

Input	Output
0	4
2	6
4	___

ANSWER _____

6 Write the ordered pairs for inputs 10 and 6.

INPUT AND OUTPUT

Input	Output
10	1
8	3
6	5

ANSWER _____

APPLY IT Show your work

1 At an arcade, the table shows games played as the input and tickets earned as the output. Write the ordered pairs for 2 games and 3 games.

ARCADE TICKETS

Games played	Tickets earned
1	8
2	16
3	24

ANSWER _____

2 A playlist table shows songs added as the input and total play time in minutes as the output. Write the ordered pairs for 4 songs and 6 songs.

PLAYLIST

Songs added	Play time (minutes)
2	6
4	12
6	18

ANSWER _____

CHALLENGE One step up

Mina wrote (12, 4) for the first row. Write all three ordered pairs. In one sentence, explain Mina's mistake.

INPUT AND OUTPUT

Input	Output
4	12
6	18
8	24

WORK SPACE AND ANSWER

ANSWER KEY

Pair Up Tables

GRADE 5 · 5.OA.B.2.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write the ordered pair for input 4.	**(4, 10)**
2	Write the ordered pairs for inputs 1 and 5.	**(1, 3) and (5, 7)**
3	In column B, what ordered pair do the input and output form?	**(4, 15)**
4	Write the ordered pair that has an output of 26.	**(7, 26)**
5	The output is 4 more than the input. Find the missing output, then write the ordered pair for input 4.	**(4, 8)**
6	Write the ordered pairs for inputs 10 and 6.	**(10, 1) and (6, 5)**

PART 2 · APPLY IT

1. **(2, 16) and (3, 24)** Match each number of games with the tickets in its row. Write games played first in each pair.
2. **(4, 12) and (6, 18)** Match 4 songs with 12 minutes and 6 songs with 18 minutes. Write songs added first in each pair.

CHALLENGE

The pairs are (4, 12), (6, 18), and (8, 24). Mina put the output before the input.

Accept ordered pairs in either order when a question asks for more than one pair. Each pair must list its input before its output.