

Lesson Title: Functions Through the Grades Activity

Standards: 4.OA.5 Generate and Analyze Patterns
5.OA.3 Analyze Patterns and Relationships

Lesson Description:

Students do a gallery walk to look at the function tables on pages 2-11. While they walk around with their groups they discuss what they think the rule is for each table. They also discuss how they could complete the table. They do not need to record any of this, it is just done orally.



Next, each group is given one of the equations on pages 12-21. Their task is to find the function table that their equation matches. They should stand by the table until all groups have found the table that matches their equation. Next, students look around the room and check to be sure each group is standing beside the correct table. Each group must justify why their equation matches their table.

Students sit back at their desks to work with their partners

Find the rule.

Number of Cats

Find the rule.

Number of Insects 	Number of Legs 
1	6
3	
5	
10	60
12	

Complete the table.

Find the rule.

Number of Movie Tickets	Cost per Ticket
1	\$8
2	\$16
6	\$48
8	
	\$80

Complete the table.

Find the rule.

Find the rule.

Input	Output
12	6

Complete the table.

Find the rule.

Input	Output
3	10
5	16
7	
9	28

Complete the table.

Find the rule.

Input	Output
12	4
15	5
18	
	7
24	

Complete the table.

$$y = x \bullet 4$$

$$y = x \bullet$$

$$y = 8x$$

$$y = x \div$$

$y = 3x - 1$

==
3

y x

$$y = x^2$$

Name _____

Date _____

Input	Output

$= +$	$y = x + 3$	$y = x +$
$= -2$	$y = x - 3$	$y = x -$