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

Number of Cats

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

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

Input	Output
12	6

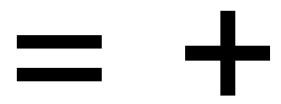
Input	Output
3	10
5	16
7	
9	28

Input	Output
12	4
15	5
18	
	7
24	

y=x

y=x

y=8x



 $y=x\div 2$ 

y 3x 1

**y=**\frac{\chi}{3}

y x 12

y=x

Name	 
Date _	

Input	Output

= +	y = x + 3	y = x + 2
y = x - 2	y = x - 3	y = x - 4