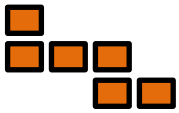
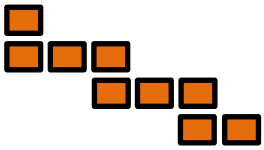
Name _____ Period _____ Date _____

8-4 MATH TALKS

PICTURE TALK 4

Emphasize that there are many different ways to see a pattern grow and to represent it in equivalent symbolic expressions. Show students one set per day.

	Step 1	Step 2	Step 3
Set A			
Set B			
Set C			
Set d			

How is the pattern growing? Explain using words or with an equation. Use the sentence frame, "Start with ___ and add ___ each time" to help as needed.

What would the next picture look like in the pattern?

How many ___ would be in the 5th step? The 12th step?

Set A: Start with 3 rectangles and add 3 each time. Step 5: 15; Step 12: 36
Set B: Start with 5 circles and add 2 each time. Step 5: 13; Step 12: 27
Set C: Start with 1 star and add 4 each time. Step 5: 17; Step 12: 45
Set D: Start with 2 happy faces and add 3 each time. Step 5: 14; Step 12: 35

Name _____ Period _____ Date _____

NUMBER TALK 2

A "Would You Rather?" question encourages students to think deeply about the relationships within and among the quantities to determine which is the better choice. Discuss one set per day. Answers, preferences, and opinions may vary if justified. One explanation given for each.

Set A

You need to read a 300-page book for your English class.
Would you rather…

Option 1	**Option 2**
Read 20 pages per night.	Read 45 pages every other night.

More pages read over time

Set B

You are earning extra money babysitting.
Would you rather…

Option 1	**Option 2**
Babysit 4 kids for 6 hours for $45.	Babysit 3 kids for 8 hours for $52.

More money per hour

Set C

You are driving to the beach and want to get there quickly.
Would you rather…

Option 1	**Option 2**
Drive 45 miles in traffic at a rate of 35 miles per hour.	Drive 100 miles in less traffic at a rate of 65 miles per hour.

Less distance and less time driving

Set D

You are in charge of purchasing sports drink for your soccer team.
Would you rather…

Option 1	**Option 2**
Purchase packages of 6 bottles at 12 oz each for $5.00.	Purchase packages of 12 bottles at 9 oz each for $9.00.

Cheaper per ounce

Which option would you choose?
Be prepared to justify your reasoning.