Mrs. Ashley Meagher
12/05/19
10:53

Mrs. Meagher's class entered in an orderly fashion.

T. had a starter on the screen. Thank you for coming in today and being on task with your starter.

The starter is a proportion problem. (Standard –)

On a map, we use smaller measurements and a scale. Teacher describes the steps.

Cliff raises his hand and tells her why. Students are seated in rows.

Tamiya and Deniah are called upon.

Cross-multiplying.

A variety of demographics of students answer questions…On the count of 3 I want to hear your answer. 1 2 3…. Sts. say 11.4 cm

I have a video to show before we get going. At the end, I have a question for you to answer.

Watch carefully.

The video is about a person ordering a lot of food; then the clerk repeats the complex order back to him.

After the video…the teacher asks students to work together to come up with a simpler way to do order that amount of food.

Students turn and work in groups of 2 or 3 to come up with a plan.

Mrs. Meagher works around the room as the students talk and work on this problem. (4 mins.)

How can you make this order simpler?

Teacher calls on Drew to give idea. Drew is going to write the order down. T. said I like how he said we are going to combine the like terms together. He is combining the Cokes with the Cokes. And burgers with burgers.

$7x + 2y =$
What if x = hamburgers and y = fries.

We cannot

Today, we are combine like terms. Yesterday, we wrote equivalent expressions and now we are going to work on combining

Our standard today. Expression and equations. 7.EE.A.1.

What we are going to do today… Write equivalent expressions by combining and expanding like terms.

If the balloon expands, it gets bigger. Expand….Means expressions will get bigger.

Teacher use activeboard to write standard info on the sheet…Equivalent expressions have the same value of the variables.

Sts. have a sheet to write the standards and fill in the blanks about options to write equivalent equations.

Option 1 = Combine
Option 2 = Expand

3x + 2y = x+x+x+y+y That's expanded. But you can combine and go back to original problem.

Someone read the next scenario. Thank you, Bella.
Bella reads. Thank you for those who are underlining key words in the word problem.

Teacher demonstrates lesson with variables – p and d = Variables represent numbers. Numbers are 2 and 3. P = pretzel cost; D = drink cost

(p+d) + (p+d) + (p+d) + (p+d)

Suppose instead that one friend bought all the pretzels and one friend bought all the drinks.

4p. Why does that work? One guy buys 4 pretzels X variable.
4d. Another guys buys drinks X variable.

P=2
D=3

4p = 8
4d = 12

Students work on the two problems to determine how much the two individuals spent.

Another scenario…
One person decided to buy pretzels and drinks for each of them.
How do you set this up? Hmm…does this look familiar?

4 (p+d)

Distributive property…"Pass out" to everyone.

How are previous expressions related? Talk with partner to determine the answer to that question.

T. hands out markers.

T. pulls out a stick to call on students. Isaiah, how are they related? "They all equal 20". Zach, why? They are the same.

What did we do in each situation? Class said expand. Then, combine. Then, distributed.

Write the following problem on your desk…

2 (x + 4)

Take this expression…. Show 2 equivalent expressions to show how you get to the same answer.

If you get stuck, check with neighbor.

Teacher walks around to see if students are coming up with the correct answer.

She redirects some students who need help on coming up with the correct answer.

Sts. working on problem.

Harrison is going to come to board and show us one way…

2x + 8 = This is distributive property.

X+X+4+4

I need your attention…Tomorrow we are continue into lesson 14. These are uploaded in Google Classroom for practice tonight.

Do not lose the notes. Keep up with them.

Please tell me what you learned…Individual students answer this in their own words.
Working on different ways to get different expressions.

We will take of desks after lunch. Please bring calculator and marker as you line up for lunch.