

"Using the Twitter Timeline to Format a Mathematics Performance Task"

Note: The following performance task template and sample teacher tweets are offered as a "Work in Progress" to explore how mathematics might be integrated into the Twitter timeline. We recognize that additional tweets will be necessary when the task is activated and students respond. Please adjust the teacher tweets to meet the differentiated needs of your students prior to and as this task is taught through online or blended online and classroom settings. *Copy and paste your customized tweets into the Twitter timeline as instruction evolves with your students.*

Teacher Tweet 1: The Task

What are you doing?

Read the real world setting for this "Recycling" performance task [Enter Tiny URL].

Content for Tiny URL:

The Task!
<i>"The student council has asked students to suggest ways to raise \$200.00 for a school banner. The fund-raising drive will last 6 weeks. You want to figure out if \$200.00 can be raised in 6 weeks by recycling the aluminum cans that the students' families use. If the answer is "yes," you will present this plan to the student council. If the answer is "no," you will not present this plan."</i>
Close and Return

Teacher Tweet 2: Getting Organized

What are you doing?

You ask your family and some neighbors to save their aluminum cans for one week. Each day you collect and count the cans.

Teacher Tweet 3: Collecting Data

What are you doing?

Make a table to show how many cans each family saved. [Enter Tiny URL]

Content for Tiny URL:

Aluminum Cans Collected								
Family	Mon	Tue	Wed	Thur	Fri	Sat	Sun	Total
Yours	6	9	6	4	5	14	10	—
Smith	4	5	4	6	9	10	14	—
Chen	8	9	6	3	12	7	10	—
McCoy	4	5	3	8	6	1	2	—
Gonzo	3	3	3	2	4	2	8	—
Close and Return								

Teacher Tweet 4: Collecting Data

What are you doing?

Complete the table to find out the total number of cans collected in one week by each family.

Teacher Tweet 5: Averaging**What are you doing?**

Now you know how many cans each of the families collected in a week. Find the average number of cans that a family will collect in one week.

Teacher Tweet 6: Explaining**What are you doing?**

Explain how to find the average number of cans that a family will collect in one week.

Teacher Tweet 7: Determining the Average**What are you doing?**

What is the average number of cans that a family will collect in one week?

Teacher Tweet 8: Reasoning**What are you doing?**

Explain why it is important for you to know the average number of cans that a family will collect in one week.

Teacher Tweet 9: Collecting Data**What are you doing?**

You know that some families will not participate in an aluminum can recycling project.

Teacher Tweet 10: Collecting Data**What are you doing?**

The principal says 4 out of 5 families will probably collect aluminum cans.

Teacher Tweet 11: Converting**What are you doing?**

Write 4 out of 5, both as a fraction and as a decimal, so that you can use it more easily.

Teacher Tweet 12: Estimating**What are you doing?**

Now you can estimate how many cans will be collected.

Teacher Tweet 13: Problem Solving**What are you doing?**

There are 200 families with students in your school. If 4 out of 5 families collect cans, how many families will collect cans?

Teacher Tweet 14: Estimating

What are you doing?

Estimate how many aluminum cans your school could collect in six weeks.

Teacher Tweet 15: Collecting Data

What are you doing?

Check out this flyer from the recycling center [Enter tiny URL].

Content for Tiny URL:

Recycling Center
150 Aluminum Cans = One Pound
You will be paid \$.32 for each pound of Aluminum Cans
Close and Return

Teacher Tweet 16: Problem Solving

What are you doing?

Use the information on the flyer to figure out how many pounds of aluminum cans the school could collect in 6 weeks.

Teacher Tweet 17: Making a Data-Based Decision

What are you doing?

Should you present your fund-raising plan to the student council? Tell why you should or why you should not present your plan.

Teacher Tweet 18: Summarizing

What are you doing?

Thanks for helping to solve this task! I liked the way...We need to improve...Our next task is...

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