Module 6 – Lesson 20

Coin Drive Challenge

Watch a video and generate questions about the number of nickels put into a jar on the last day of a fundraiser.

Day 1

<u>Girl:</u>   <u>Boy:</u>

3 dimes   7 nickels

Day 2

6 dimes   13 nickels

Day 3

9 dimes   19 nickels

Day 20

???? dimes   ???? nickels

After watching the video, what questions do you have?
What may you be wondering?

LEARN book page 213.
Write your answers on the worksheets.

Write the focus question.

How many nickels were put into the jar on the last day of the coin drive?

The Coin Drive Challenge

LEARN book page 213.
What is an <u>unreasonable</u> estimate for the number of nickels put into the jar on the last day of the coin drive? What is a number that is <u>too low</u>? What is a number that is <u>too high</u>?

2. An estimate that is too low is _____. An estimate that is too high is _____. My best

estimate is _____.

Do you see any repeating rules in the number of dimes? (3, 6, 9, …..)?

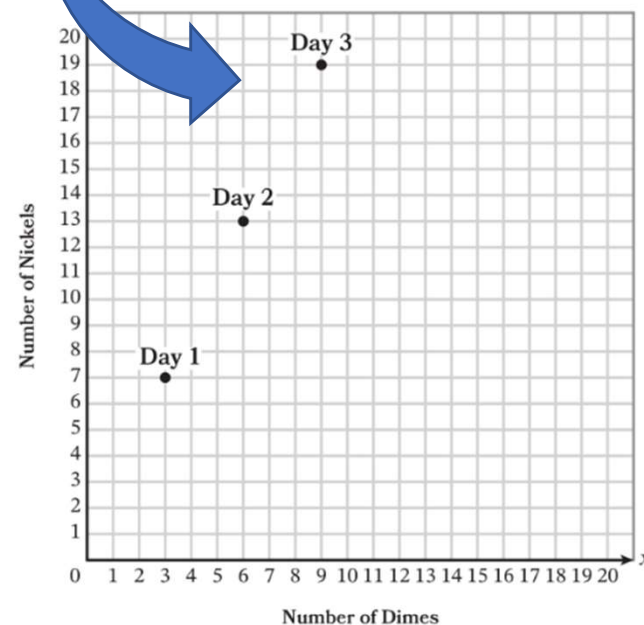**Rule is the girl added 3 more dimes than the previous day**

Do you see any repeating rules in the number of nickels? (7, 13, 19, …..)?

Rule is the boy added 6 more nickels than the previous day.

Based on these rules, create a data table for all 20 days of the coin drive. Use the grid paper on page 211. (10 minutes)

Day 1	
Girl:	Boy:
3 dimes	7 nickels
Day 2	
6 dimes	13 nickels
Day 3	
9 dimes	19 nickels
Day 20	
???? dimes	???? nickels

Coins Put into the Jar Each Day

Create a Data Table / Use a Graph

Day	Dimes	Nickels
1	3	7
2	6	13
3	9	19

3. What information do you need to answer the focus question?

The number of dimes and nickels put into the jar on days 1, 2, 3.

The number of days it took to reach the goal.

The fundraiser's goal amount.

4. Answer the focus question. Show or explain your strategy.

Last day   = ??? dimes

                   = ??? nickels

TIME TO SHARE

Part 1: Estimate

Estimate:	**1 point**
What do I need?	**2 points**
Recording down information	**2 points**

Part 2: Gathering Information

Record given information	**3 points**

Part 3: How many nickels on Day 20?

Demonstrates an appropriate strategy	**2 points**
Organizes their problem solving	**4 points**
Describes the pattern used	**2 points**
Correct number of nickels on Day 20	**4 points**

TOTAL POINTS: **20 points**