

Focus & Within Grade Coherence

Task Handout, Grade 2

Major Task #1

A pencil costs 59 cents, and a sticker costs 20 cents less. How much do a pencil and a sticker cost together?

Source: Available from <https://www.illustrativemathematics.org/content-standards/2/OA/A/1/tasks/1>, accessed 10 June 2016, licensed by Illustrative Mathematics under CC BY--NC--SA 4.0.

Major Task #2

Pia was having a party. She put 10 stickers in each party bag.

- a. On the first day she made 10 bags. How many stickers were in her 10 bags all together?
- b. On the second day she made 3 more bags with ten stickers in each one. How many stickers total were in her 10 bags plus 3 more bags?
- c. On the third day she made 7 more bags with ten stickers in each one. How many stickers total are in her 20 bags of ten?
- d. On the fourth day, she made another 10 bags with ten stickers in each one. How many stickers are in her 30 bags of ten?
- e. After one week, she had made a total of 50 bags with ten stickers in each one. How many stickers total are in her 50 bags of ten?

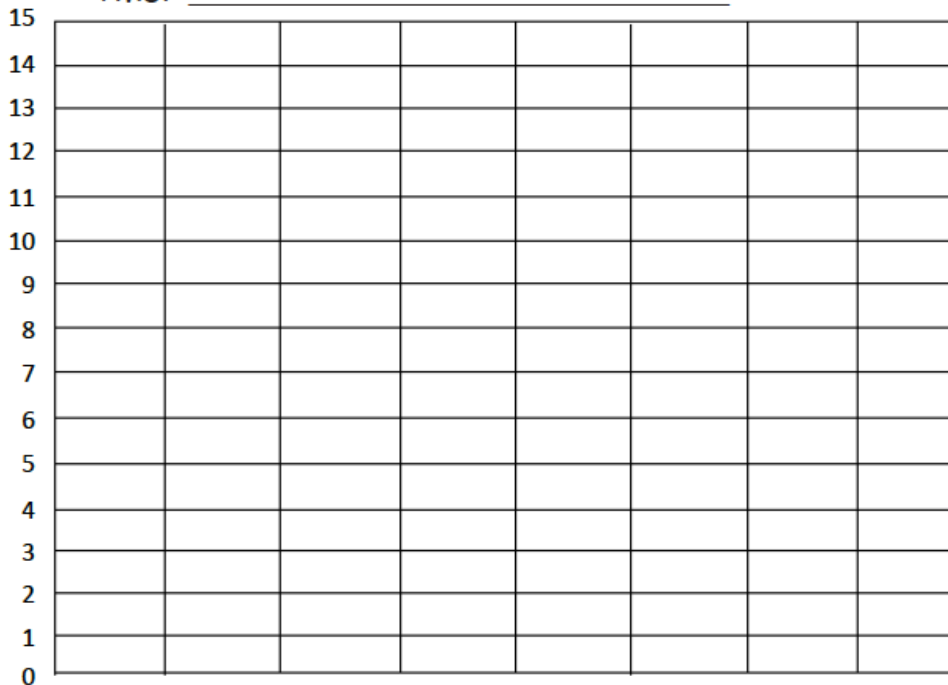
Source: Available from <<https://www.illustrativemathematics.org/content-standards/1/MD/A/2/tasks/157>>, accessed 10 June 2016, licensed by Illustrative Mathematics under CC BY--NC--SA 4.0.

Supporting Task #1

Callista saved pennies. Use the table to complete the bar graph. Then, answer the following questions.

Pennies Saved			
Saturday	Sunday	Monday	Tuesday
15	10	4	7

Title: _____



- How many pennies did Callista save in all? _____
- Her sister saved 18 fewer pennies. How many pennies did her sister save? _____
- How much more money did Callista save on Saturday than on Monday and Tuesday? _____
- How will the data change if Callista doubles the amount of money she saved on Sunday? _____
- Write a comparison question that can be answered using the data on the bar graph. _____

Source: EngageNY.org of the New York State Education Department. Grade 2 Mathematics, Module 7, Lesson 5. Available from <https://www.engageny.org/resource/grade-2-mathematics-module-7-topic-lesson-5/file/72086>, accessed 10 June 2016.

Within Grade Coherence Task #1

127 is a number.

- Write it as a sum of 100's, 10's, and 1's.
- Write its name in words.
- Draw a picture to represent the number.
- Locate it on the number line.

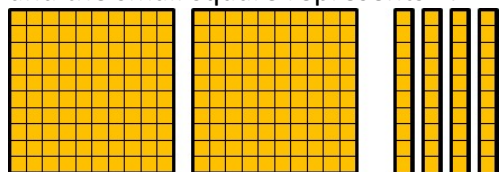
$500+60+8$ is a number.

- Write it as a three-digit number.
- Write its name in words.
- Draw a picture to represent the number.
- Locate it on the number line.

Six hundred and nine is a number.

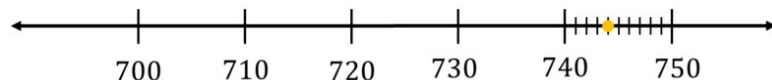
- Write it as a three-digit number.
- Write it as a sum of 100's, 10's, and 1's.
- Draw a picture to represent the number.
- Locate it on the number line.

The picture represents a number. The big square represents 100, the rectangle represents 10, and the small square represents 1.



- Write it as a three-digit number.
- Write it as a sum of 100's, 10's, and 1's.
- Write its name in words.
- Locate it on the number line.

A number is shown on the number line.



- Write it as a three-digit number.
- Write it as a sum of 100's, 10's, and 1's.
- Write its name in words.
- Draw a picture to represent the number.

Source: Available from <https://www.illustrativemathematics.org/content-standards/tasks/1236> , accessed 7 July 2015, licensed by Illustrative Mathematics under CC BY---NC---SA 4.0.

Within Grade Coherence Task #2

Jamir has collected some pennies in a jar. Recently, he added coins other than pennies to his jar. Jamir reached his hand into the jar and pulled out this combination:



- Jamir wants to count the total value of these coins. What coin do you suggest he start with? Why would Jamir want to start counting with this coin?
- What is the total value of these coins? Write a number sentence that represents the total value of the coins.
- Jamir reached into the jar again and was surprised to pull out a different combination of coins with the same total value as before. Draw a collection of coins that Jamir could have pulled from the jar. Write a number sentence that represents the total value of the coins.

Source: Available from <https://www.illustrativemathematics.org/content-standards//2/MD/C/8/tasks/1071>, accessed 7 July 2015, licensed by Illustrative Mathematics under CC BY---NC---SA 4.0.