Illustrative Mathematics

Unit 3 Lesson 15: Create Line Plots

WU Number Talk: Subtraction within 50 (Warm up)

Student Task Statement

Find the value of each expression mentally.

- $47 - 20$
- $47 - 24$
- $36 - 10$
- $36 - 15$

1 Measure and Plot Pencil Lengths

Student Task Statement

1. Measure the pencils in centimeters. Work with a partner and check each other's measurements. Record each measurement in the table.
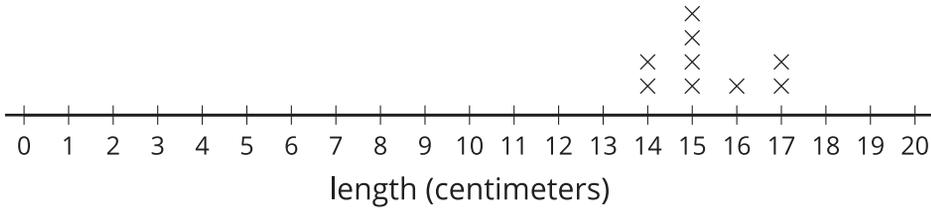
pencil length (cm)

pencil length (cm)

2. Create a line plot to represent the lengths of all the pencils in your group.

—|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|—
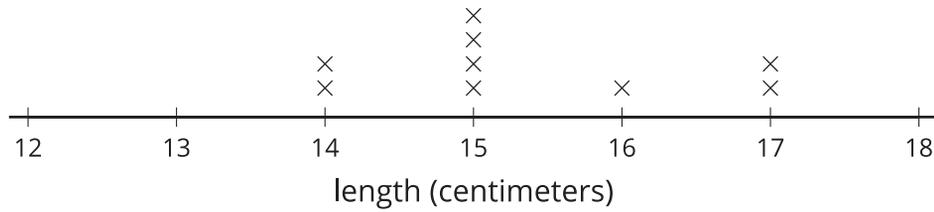
2 Plot Pencil Lengths

Student Task Statement

Group A's Pencils

```
                                              X
                                              X
                                   X          X        X
                                   X          X    X   X
—|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|——|—
 0   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  20
                            length (centimeters)
```

Group B's Pencils

```
                             X
                             X
                   X         X                        X
                   X         X            X           X
—|—————————|—————————|—————————|—————————|—————————|—
 12        13        14        15        16        17        18
                     length (centimeters)
```

Use this data to create a line plot.

Group C	pencil length (centimeters)
Andre	12
Clare	10
Diego	10
Elena	10
Han	13
Jada	12
Kiran	14
Noah	16
Priya	14

Group C	pencil length (centimeters)
Tyler	13

Images for Activity Synthesis

Group C's Pencils

length (centimeters)