

Name \_\_\_\_\_

Date \_\_\_\_\_

Use a centimeter ruler and paper clips to measure and compare lengths.

1. \_\_\_\_\_ Line Z

- a. Line Z is about \_\_\_\_\_ paper clips long.
- b. Line Z is about \_\_\_\_\_ cm long.
- c. Line Z doubled would measure about \_\_\_\_\_ paper clips or about \_\_\_\_\_ cm long.

2. \_\_\_\_\_ Line A

\_\_\_\_\_ Line B

- a. Line A is about \_\_\_\_\_ paper clips long.
- b. Line A is about \_\_\_\_\_ cm long.
- c. Line B is about \_\_\_\_\_ paper clips long.
- d. Line B is about \_\_\_\_\_ cm long.
- e. Line A is about \_\_\_\_\_ paper clips longer than Line B.
- f. Line B doubled is about \_\_\_\_\_ cm shorter than Line A.

3. Draw a line that is 9 cm long and another line below it that is 12cm long.

Label the 9 cm line F and the 12 cm line G.

- a. Line F is about \_\_\_\_\_ paper clips long.
- b. Line G is about \_\_\_\_\_ paper clips long.
- c. Line G is about \_\_\_\_\_ cm longer than Line F.
- d. Line F is about \_\_\_\_\_ paper clips shorter than Line G.
- e. Lines F and G are about \_\_\_\_\_ paper clips long.
- f. Lines F and G are about \_\_\_\_\_ centimeters long.

4. Line X is 1 meter. Line Y is 89 centimeters.

a. Line X is \_\_\_\_\_ centimeters.

b. Which line is longer? Line X    Line Y    c. How much longer? \_\_\_\_\_cm

5. Line P is 2 meters. Line Q is 300 centimeters.

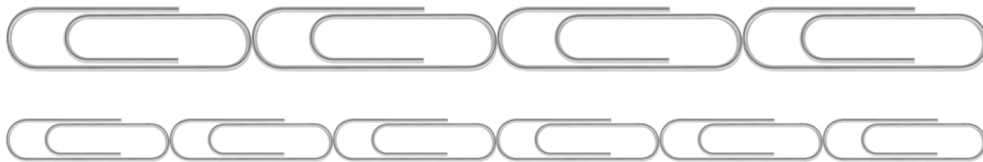
a. Line P is \_\_\_\_\_ centimeters.

b. Line Q is \_\_\_\_\_ meters.

c. Which line is longer? Line P    Line Q

d. How much longer? \_\_\_\_\_

6. Jordan measured the length of a line with large paper clips. His friend measured the length of the same line with small paper clips.



a. About how many paper clips did Jordan use? \_\_\_\_\_ large paper clips

b. About how many small paper clips did his friend use? \_\_\_\_\_ small paper clips

c. Why did Jordan's friend need more paper clips to measure the same line as Jordan?

\_\_\_\_\_

\_\_\_\_\_

## Answer key

1.
  - a. 3
  - b. 9
  - c. 6; 18
2.
  - a. 4
  - b. 16
  - c. 2
  - d. 7
  - e. 2
  - f. 2
3. Lines measuring 9 cm and 12 cm drawn
  - a. 3
  - b. 4
  - c. 3
  - d. 1
  - e. 7
  - f. 21
4.
  - a. 100
  - b. Line X
  - c. 11
5.
  - a. 200
  - b. 3
  - c. Line Q
  - d. 100 cm or 1 m
6.
  - a. 4
  - b. 6
  - c. Answers will vary.