



Measuring Length

Explore – Answer Key

Materials:

- Color Tiles
- Cash Register Tape, cut in 15 inch long strips
- Linear Measurement Recording Sheet, included in this lesson

Procedure:

1. Teacher: "A Color Tile is about 1 inch square so we can use our Color Tiles to measure the length of an object".
2. Demonstrate how to lay the Color Tiles side by side along the length of their activity sheet. Count the number of Color Tiles. Teacher: "This paper is (8) Color Tiles long so the paper is about (8) inches long.
3. Direct students to follow the same procedure using Color Tiles to measure small classroom objects such as pencils, paper, erasers, their desks, etc.
4. Allow students time to measure objects using Color Tiles and then bring the students back to whole group.
5. Distribute a 15" long strip of cash register tape to each student to make an inch ruler.
6. Demonstrate how to place one Color Tile next to the left edge of the strip and make a tic mark on the strip at the right side of the Color Tile. Write a "1" under the tic mark. Lift the Color Tile and place the left side of the Color Tile at the "1" tic mark and make a new tic mark at the right side of the Color Tile. Write a "2" under this tic mark. Continue until the "rulers" are about 12 inches long.
7. Demonstrate how to measure objects with their "rulers".
8. Ask students to use their **Explore Activity Sheet** to measure objects with Color Tiles and with their rulers.



Name _____ Date _____

Sample Answers:

| Object | How Many Color Tiles Long? | About How Many Inches Long? |
|--------------------------|---|--|
| <i>Math Book</i> | <i>10</i> | <i>About 10 inches</i> |
| <i>Paper</i> | <i>8</i> | <i>About 8 inches</i> |
| <i>Marker</i> | <i>6</i> | <i>About 6 inches</i> |
| <i>Paper Clip</i> | <i>2</i> | <i>About 2 inches</i> |

