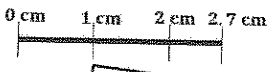
G4-M6-Lesson 2

1. For the length given below, draw a line segment to match. Express the measurement as an equivalent mixed number.

2.7 cm



$2.7 \text{ cm} = 2\frac{7}{10} \text{ cm}$

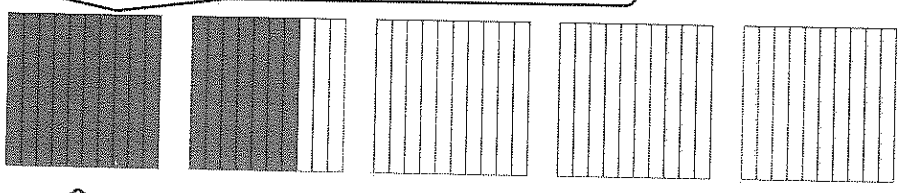
I can express a decimal as a mixed number. The decimal and fractional part for this number have the unit *tenths*.

I draw a 2 cm line, then extend it $\frac{7}{10}$ cm.

2. Write the following in decimal form. Then, model and rename the number.

a. 1 one and 7 tenths = 1.7

Each rectangle represents 1. There are 10 tenths in 1.

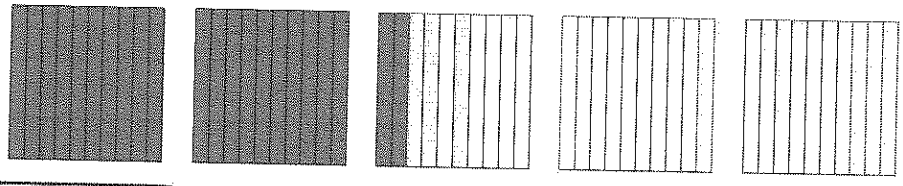


I shade 17 tenths to show 1.7.

$1\frac{7}{10} = 1 + \frac{7}{10} = 1 + 0.7 = 1.7$

b. $\frac{22}{10}$ = 2.2

There are 5 rectangles representing 5 ones in all.



I use a number bond to decompose the whole and the fraction. 20 tenths is equal to 2 ones.

$\frac{22}{10} = 2\frac{2}{10} = 2 + \frac{2}{10} = 2 + 0.2 = 2.2$

$\frac{20}{10}$ $\frac{2}{10}$

How much more is needed to get to 5? 2 ones 8 tenths