

G2-M2-Lesson 7

1. Measure each line with one small paper clip, using the mark and move forward method. Then, measure in centimeters using a ruler.

_____ Line A

_____ Line B

Line A 3 paper clips 9 cm

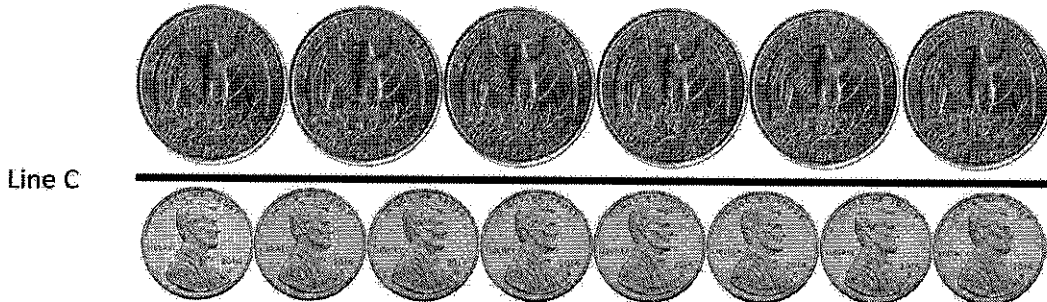
Line B 1 paper clips 3 cm

Line A is about 2 paper clips longer than Line B.

Line B doubled is about 3 cm shorter than Line A because I know $6 + 3 = 9$.

I know that Line B is 3 cm long. If I double its length, then it will be 6 cm long. I can use mental math to figure out that Line B doubled is 3 cm shorter than Line A because I know $6 + 3 = 9$.

2. Christina measured Line C with quarters and pennies.



Why did Christina need more pennies than quarters to measure Line C?

Since the quarter is bigger, it takes fewer quarters to measure the same line. If the length unit

is smaller, like a penny, then you need a greater number of pennies to measure the line.

If the unit size is bigger, like quarters, then you need fewer units. If the unit size is smaller, like pennies, then you need more units. Coins aren't a good measurement tool. Centimeters are much more reliable because each length unit is the same!