

# Math / Logic

Jean-Baptiste Pointe DuSable is building a cabin. He needs 6 complete logs to create a section of a wall. He can join incomplete logs together.

He has 3 full logs.

He has 1 half log.

He has 3 x  $\frac{1}{4}$  length logs.

How many pieces of full log and half log does he need to complete the section of wall?



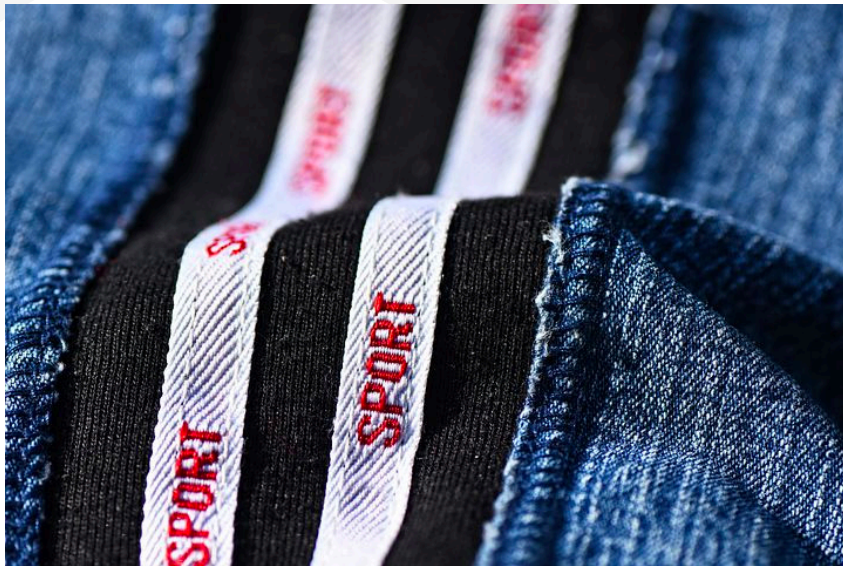
# Math / Logic

Daymond John needs to stitch 3 feet more of material to complete his new design.

Each 1 feet of material is equal to 12 inches.

It takes 3 inches of thread to stitch 1.5 inches of material.

How many feet and inches of thread is needed to complete the design?



# Math / Logic

Maggie Lena Walker needs help counting the cash in one of the safety deposit boxes for a customer.

There should be a total for \$523.

There are:

3x \$50 notes

17x \$20 notes

The rest is \$1 notes.

How many \$1 notes should be left?

# Math / Logic

Dr. Patricia Bath is working out a formula mix.

The fluid needs an equal amount of red and blue fluid.

She put too much red fluid in and needs to fix it.

Each drop of green fluid will undo (minus) the effect of 4 drops of red fluid.

The potion currently has 2 drops of blue fluid and 3 drops of red fluid.

How many drops of red, blue or green fluid are needed to make red and blue equal?

