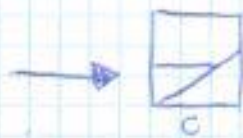
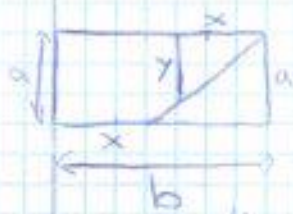


## General rule

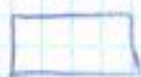


$$c = \sqrt{ab}$$

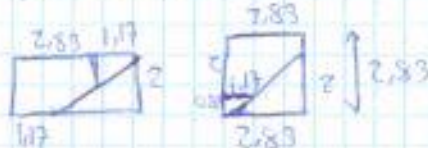
$$x = b - c$$

$$y = c - a$$

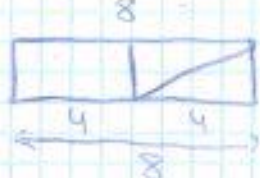
2:1



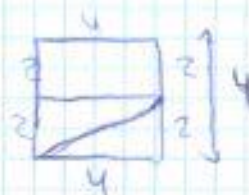
$$A=8 \rightarrow \sqrt{8}=2,83$$



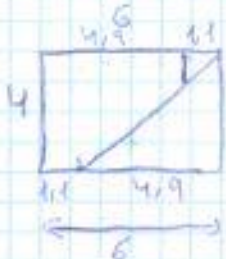
4:1



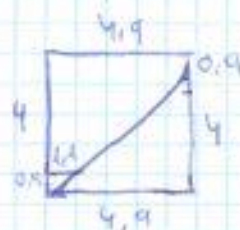
$$A=16 = \sqrt{16} = 4$$



3:2



$$A=24 \quad \sqrt{24}=4,9$$



5:1



$$\sqrt{20}=4,47$$

$$c=4,47$$

$$x=5,53$$

$$y=2,47$$

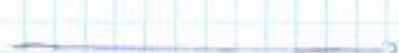
Here the general rule fails because 'y' can't be bigger than 'a'.

So we divided it into 4 squares of  $1,25 \times 1$ .

Rectangles measurements

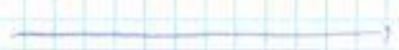
Number of squares

2:1 - 4:1



1

5:1 - 16:1



4

17:1 - 36:1



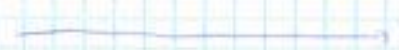
9

37:1 - 64:1



16

65:1 - 100:1



25

101:1 - 144:1



36

145:1 - 196:1



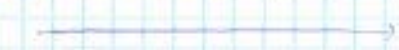
49

197:1 - 256:1



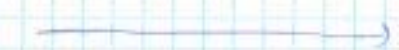
64

257:1 - 324:1



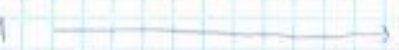
81

325:1 - 400:1



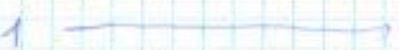
100

401:1 - 484:1



121

485:1 - 576:1



144