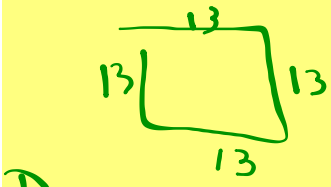
Question #1

N1

Suzanne wants to put a fence around her square garden. If the garden covers an area of 169 m^2, how many metres of fencing does she need?

Side = $\sqrt{169}$
= 13

a. 26 m b. 52 m c. 676 m d. 13 m



P = 13 + 13 + 13 + 13
= 52

Question #2

N1

Find the sum of $4^2 + 5^2$.

16 + 25

41

a. 36 b. 81 c. 41 d. 40

$\sqrt{4^2} = 4$

$\sqrt{16} = 4$

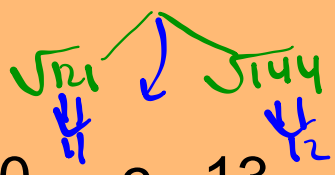
$\sqrt{3 \times 3} = \sqrt{9} = 3$

$\sqrt{y \cdot y} = y$

Question #3

N2

Which whole number is $\sqrt{124}$ closer to?



a. 11 b. 10 c. 13 d. 12

Question #4

N2

Side = $\sqrt{\text{Area}}$

$= \sqrt{27}$

$\sqrt{25}$ $\sqrt{36}$

5 6

Find the approximate side length of a square with 27 cm^2.
Give your answer to 1 decimal place.

a. 5.2 cm b. 13.5 cm c. 3.7 cm d. 6.8 cm

5 The areas, in square centimetres, of the smaller squares on the sides of a right triangle are given. Determine the area of the largest square.

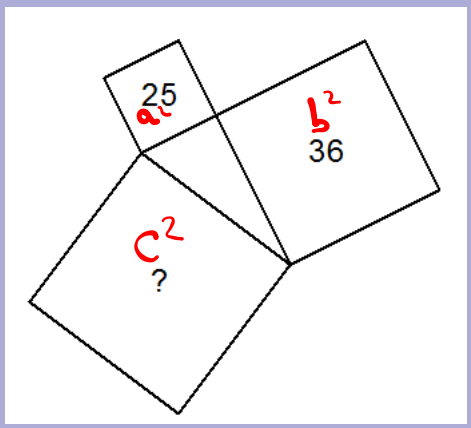
$c^2 = a^2 + b^2$

A 61 cm^2

B 22 cm^2

C 11 cm^2

D 330 cm^2



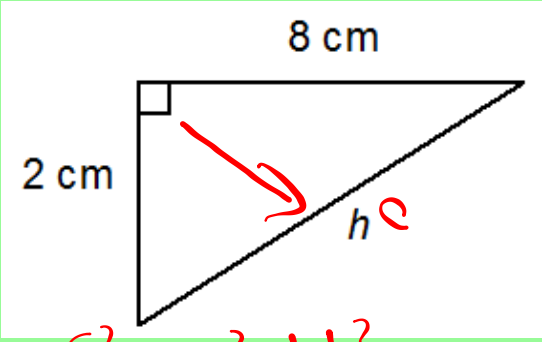
6 Find the length of the hypotenuse. Give your answer to 1 decimal place.

A 8.1 cm

B 4.5 cm

C 3.5 cm

D 8.2 cm



$c^2 = a^2 + b^2$

$8^2 + 2^2$

$64 + 4$

$c^2 = 68$

$c = \sqrt{68}$

$c = 8.2$