Estimating roots *lesson handout*

The steps

1. Square numbers either side.
2. Which two whole numbers?
3. How far along?
4. Estimate to 1 decimal place.

We do

Between which two whole numbers is $\sqrt{57}$?

$\square^2 = 49 < 57 < \square = \square^2$

You do

Between which two whole numbers is $\sqrt{12}$?

$\square^2 = \square < 12 < \square = \square^2$

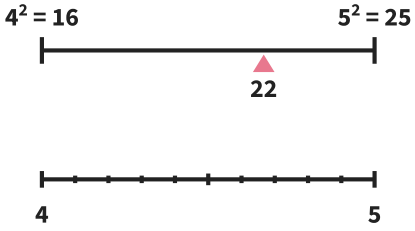
You do

Between which two whole numbers is $\sqrt{120}$?

$\square^2 = \square < 120 < \square = \square^2$

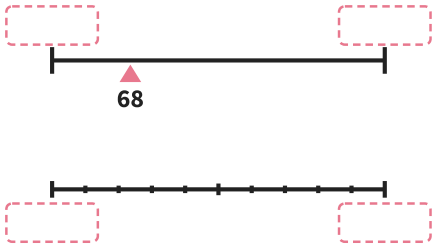
We do

Estimate $\sqrt{22}$ to 1 decimal place.



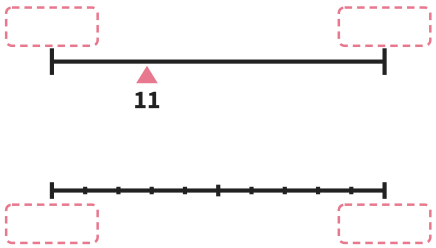
You do

Estimate $\sqrt{68}$ to 1 decimal place.



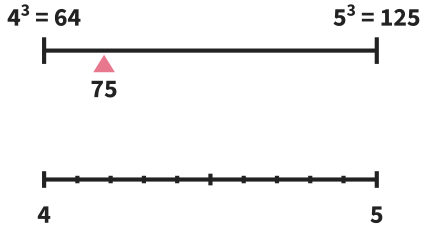
You do

Estimate $\sqrt{11}$ to 1 decimal place.



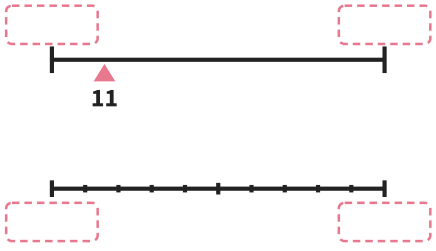
We do

Estimate $\sqrt[3]{75}$ to 1 decimal place.



You do

Estimate $\sqrt[3]{11}$ to 1 decimal place.



You do

Estimate $\sqrt[3]{210}$ to 1 decimal place.

