Station 3

In this station you investigate the link between the side lengths of a square and its area.

Resources:

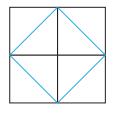
- square tiles
- squared paper
- calculator
- 1. Make a square with 25 square tiles. What is the side length of the square? Key in $\sqrt{25}$ on the calculator. What do you notice?
- 2. Use square tiles and your calculator (if you need) to complete the entries in this table:

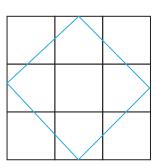
Number of tiles	Side length of Square	Square Root
9		√9 =
36		√36 =
81		√81 =
49		√49 =
100		√100 =

What does the square root function on a calculator do?

- 3. Use what you have found out from part 2 to draw squares with the following areas on squared paper.
- 121 square units6.25 square units12.25 square units18 square units42 square units90 square units

4. What are the side lengths of these squares?





https://nzmaths.co.nz/resource/what-goes-around

