

Differences Between Shapes

Use Geoboard To Understand Perimeter And Area

Activity

Students will be able to explore making shapes through a geoboard and be able to understand the concept of how the area and perimeter of squares and rectangles are calculated.

Objectives

Students will be able to

- Understand the concepts of area and perimeter of a plane figure
- Understand the area of rectangle/square
- Generate ideas to respond to an issue/challenge
- Use evidence to explain his/her reasoning and decisions








Extensions

Students can

- Work with a peer and challenge each other (e.g. one friend can create a square and the other friend to calculate the area)
- Use screen recording and include verbal instructions to their formation as a word problem for friends to solve

Have a go



- 1 Open . You can choose either  or  as the geoboard to use.
- 2 Select the coloured rubber band and drag it to one of the spots. Tap the other end and drag it to where you want it to end.
- 3 To remove a band, tap on it and then . To get some help calculating the area of the shape, tap on  and the grid lines will appear.
- 4 Tap on  and you can write numbers or draw to help with the calculation. You can also tap on  to add equations to show your calculation of perimeter/ area.
- 5 Take a screenshot, then drag the edges to crop out the unnecessary parts. You can now keep your work as an image.
- 6 You can insert it into another document or upload it to an online platform for sharing.

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