

To be able to make shapes using a given number of squares

MathShed

Starter:
What's the same? What's different?

Explain your answer.

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Activity 1:
How many different shapes can you make using five squares?

Explain your answer.

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Activity 2:
Use squared paper to shade in squares to make rectilinear shapes with areas of twelve squares.

Look at someone else's designs
What's the same? What's different?

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Activity 3:
Ruth is making a quilt with 16 square patches.
It is at least two patches long.
She has used four red patches, none of which are touching.

What might her quilt look like?
Use squared paper to demonstrate and explain your quilt designs.

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Activity 4:
Turn the rectilinear shapes below into rectangles using as few squares as possible.

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Activity 5:
Using squared paper shade in squares to make the digits 1–9.

Which digit have you made that uses the number of squares closest to its value?
Explain your answer.

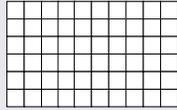
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Evaluation:



The earlier in the alphabet a letter is, the smaller the area it has.



Is Astrobee's statement true or false?
Explain your answer.