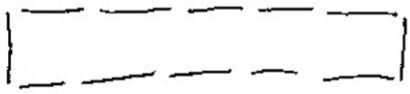
SPATIAL SENSE AND GEOMETRY
Apply Principles of Congruence, Similarity, and Transformations

Score: ____

Erminio's Response:



22 toothpicks in figure 10, add 2 every time, 5 square units, 1 square unit; yes because

20 x 2 = 42 and you add 2 to that, because you add 2 more every time.

Comments: _____

Score: ____

Andre's Response:

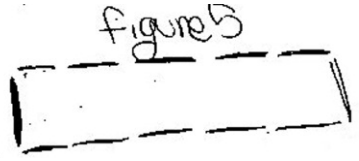
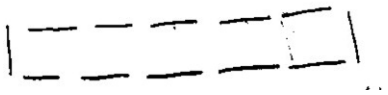


Figure 10 uses 22 toothpicks; the *Nth* figure will have n toothpicks on the top and bottom and two more on the sides; Figure 5 has an area of 5 square units so the *Nth* figure has the same number of square units as its figure number. It is not reasonable for the 20th figure to contain 42 toothpicks and have an area of 22 square. The toothpicks are reasonable but the area should always be the same as the figure number

Comments: _____

Score: ____

Ianaxi's Response:



There will be 22 toothpicks to make figure 10. It takes 2 for the *Nth* figure because each square goes up by 2 starting with 4. The area for figure 5 is 5 square units. The area goes up by ones starting with one. No its not reasonble for the 20th figure to contain 42 toothpicks and 22 square units.

Comments: _____

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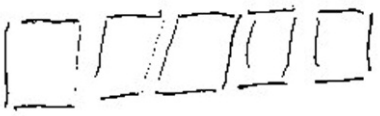
Score: ____

Kyoung Hee's Response:

22 toothpicks in figure 10; In Figure 9 there are 20 toothpicks; 5 square units in figure 5; In the 1000th figure there are 1000 square units. It is reasonable because there should be half of the number of toothpicks plus 2.



Comments: _____

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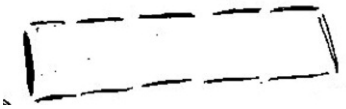
Score: ____

Ching's Response:

It would take 12 toothpicks to make figure 10; 16 cause every figure you add two more and the 7th figure would have 16; 5 square units because you can make 5 squares out of it; 7 square units, you can make 7 squares; no because it would be 20 square units not 22.



Comments: _____

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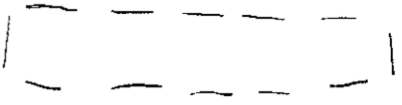
Score: ____

Felton's Response:

22 toothpics in figure 10, 20 toothpics for figure n. Are of figure 5 is 20, Are of figure n is 22. Not enough information.



Comments: _____

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