Answers

1)
$$\frac{5}{8}$$

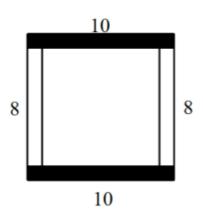
2)
$$1\frac{3}{10}$$

$$3)\frac{1}{18}$$

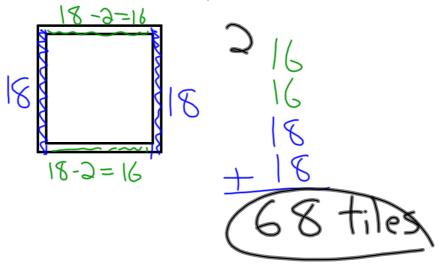
4)
$$\frac{13}{20}$$

5)
$$\frac{1}{6}$$
 or $\frac{2}{12}$

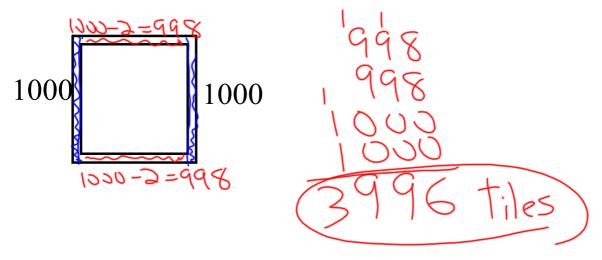
Whose method was this?



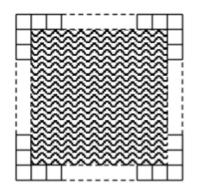
Use this method to determine the number of tiles in a square frame that is 18 tiles by 18 tiles.

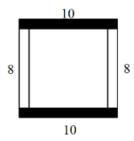


Use this method to determine the number of tiles in a square frame that is 1000 tiles by 1000 tiles.



Can you use this method to find the number of tiles in a square frame with any side length?



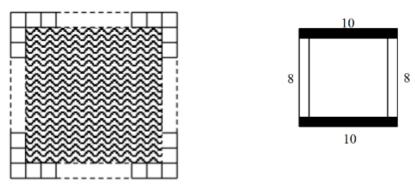


Work with your team to write a general set of directions in words, for any square frame.

Use all the tiles on two of the sides. Subtract two tiles from each of the other sides. Then add your four numbers together.

A variable (such as x) can represent the *unknown*

side length.



With your team find a way to shorten your set of directions by using a variable (such as x) to stand for "the number of tiles in one side of the frame."

