Long Division Quiz

$9\overline{)2.5}$

D ÷
M ×
S −
B ↓

$2.5 \div 9$

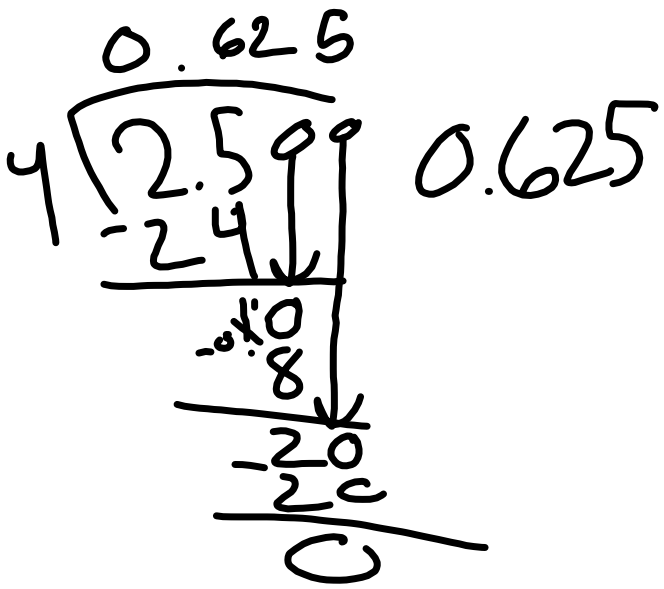
$$\begin{array}{r} 0.2\bar{7} \\ 9\overline{)2.50} \\ -1\,8 \\ \hline 70 \\ -63 \\ \hline 70 \\ -63 \\ 7 \end{array}$$

$0.2\bar{7}$

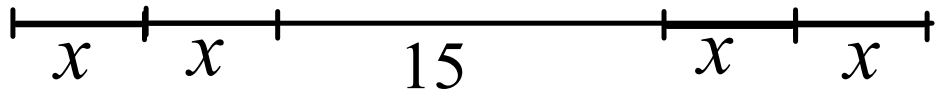
Long Division Quiz

D ÷
M X
S −
B ↓

$2.5 \div 4$



Croakie the talented frog has a super mystery jump x. Write an algebra expression for this routine.



diagram

$x + x + 15 + x + x$

$4x + 15$

$2x + 15 + 2x$

Equivalent expressions

Croakie the talented frog has a super mystery jump n. Write an algebra expression for this routine.

Equivalent expressions

$n+6+n+7+n+n+n$

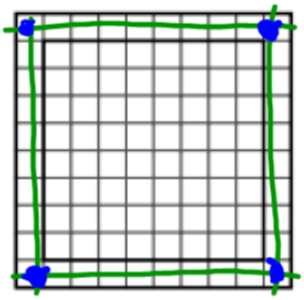
$5n+6+7$

$1n+6+1n+7+3n$

$5n+13$

Whose method was this?

Chelsea



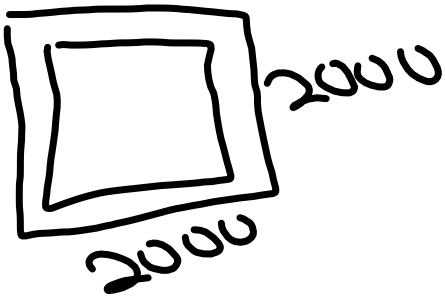
4·10−4

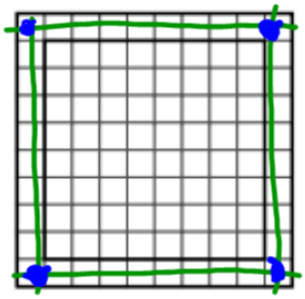
4·10−4 10x10 Frame

Use this method to determine the number of tiles in a square frame that is 2000 tiles by 2000 tiles.

2000·4−4

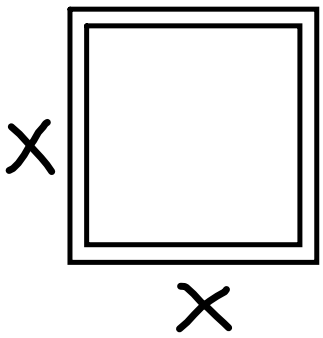
=7996





4·10−4

Work with your team to shorten this method into an algebraic expression, with the variable x to stand for "the number of tiles in one side of the frame."



x+x+x+x−4

4x−4

Equivalent? Yes!

Are the two expressions equivalent? Yes

$x+x+x-2+x-2$ → $x+x+x+x-4$

yesterday

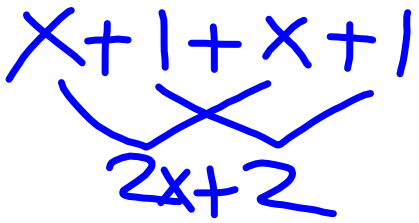
equivalent → $4x-4$

$4x-2-2$

$4x-4$

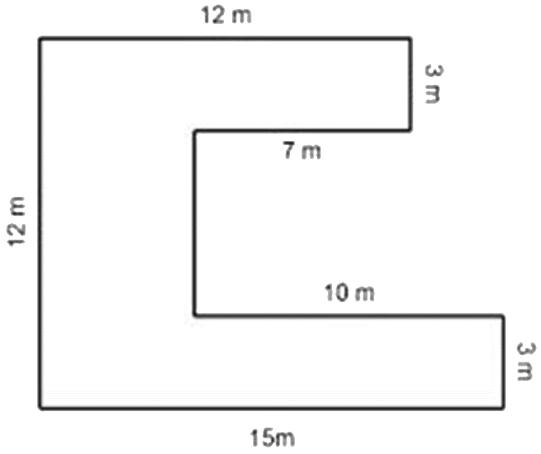
Are these two expressions equivalent?
How can you tell? yes

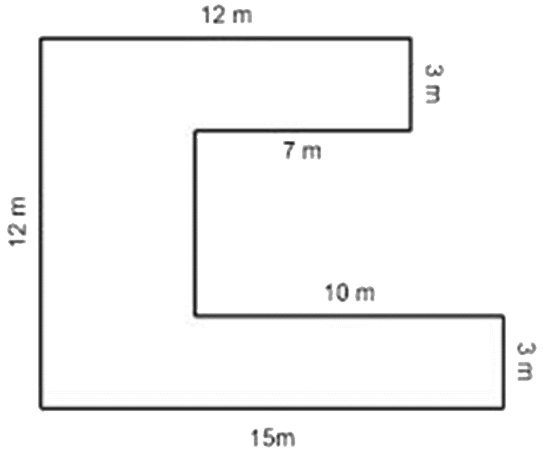
$2x + 2$ $x + 1 + x + 1$



501^2

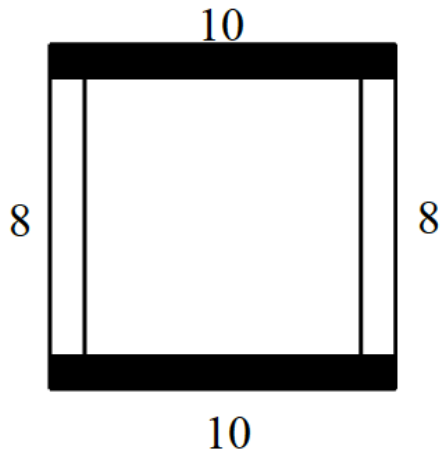
Find the area.





$$92\frac{1}{6} - 78\frac{7}{10}$$

Whose method was this?



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