

The new solving!

$$\begin{array}{r} 5x - 9 = -3x + 17 \\ +9 \qquad \qquad +9 \end{array}$$

$$\begin{array}{r} 5x = -3x + 16 \\ +3x \qquad +3x \end{array}$$

$$\begin{array}{r} 8x = 16 \\ \div 8 \qquad \div 8 \end{array}$$

$$\boxed{x = 2}$$

check

$$5^2 - 9 = -3^2 + 17$$

$$\boxed{1 = 1}$$

$$10 - (4 + x) = 26 - x$$

$$10 - 4 - x = 26 - x$$

$$\begin{array}{r} 6 - x = 26 - x \\ +x \qquad \qquad +x \end{array}$$

$$6 = 26$$

x has
no solution

no check
needed

$$3x - 12 = -(12 - 3x) \quad \text{check}$$

$$3x - 12 = -12 + 3x$$

$$3x - 12 = -(12 - 3x)$$

$$-6 = -6 \checkmark$$

~~$-12 = -12$~~
 ~~x has any solution~~

$$3x - 12 = -(12 - 3x)$$

$$-3 = -3 \checkmark$$

3-18

Fig 0



Fig 4

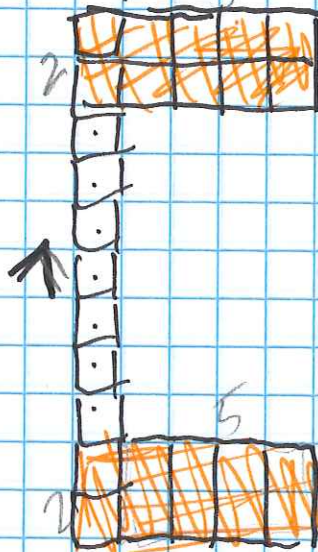
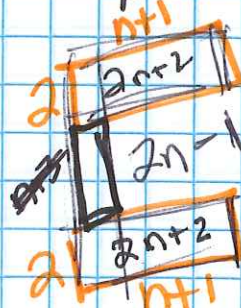


Fig n



Fig#	0	1	2	3	4	...	10	100	n
# Tiles	3	9	15	21	27	...	63	603	$6n+3$