

28

$$\begin{array}{r} 14 \\ \times 2 \\ \hline 28 \\ - 2 \\ \hline \end{array}$$

$26 \times 2 = 52$

ditto

$$\begin{array}{r} \times 2 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 17 \\ \times 17 \\ \hline 34 \\ 340 \end{array}$$

$\times \times 4$

$$\begin{array}{r} 26 \\ + 26 \\ \hline 52 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 10 \\ \hline 340 \end{array}$$

Ariel

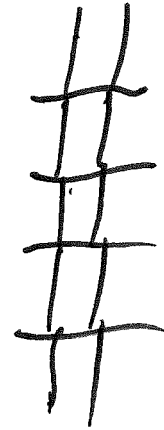
12/15/05

For odd numbers I go to the nearest even number take 1/2 of that even #, count the rods for a ladder with that many steps multiply it by 2 subtract 2 and add 3

odd
9

even
8

$$1/2 = 4$$



14 # of rods

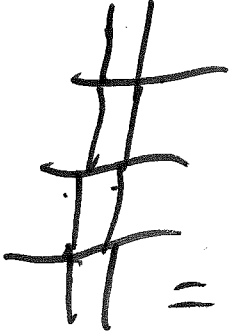
$$\begin{array}{r} \times 2 \\ \hline 28 \\ - 2 \\ \hline 26 \\ + 3 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \\ \hline 11 \end{array}$$

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For even numbers I take $\frac{1}{2}$ of that number and make a ~~rod~~ ladder with that many steps. Then I multiply the # of rods of that ladder by 2 then I subtract 2.

~~6~~ $6 \times \frac{1}{2} = 3$

 = 11 rods

$$\begin{array}{r} \times 2 \\ \hline 22 \\ + 2 \\ \hline 20 \end{array}$$

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$$8 \quad \frac{1}{2} = 4$$

$$\begin{array}{r} 26 \\ \times 10 \\ \hline 260 \\ - 2 \\ \hline 258 \end{array}$$

$$\begin{array}{r} 20 \\ \times 10 \\ \hline 200 \\ - 2 \\ \hline 198 \\ \times 2 \\ \hline 396 \\ - 2 \\ \hline 394 \end{array}$$

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$$\begin{array}{r} 20 \\ + 8 \\ \hline 28 \\ \times 2 \\ \hline 26 \quad 124 \\ \div 2 \\ \hline 02 \end{array}$$

$$\begin{array}{r} 206 \\ \times 2 \\ \hline 412 \\ - 2 \\ \hline 410 \end{array}$$

$$\begin{array}{r} 72 \\ 62 \\ 62 \\ \hline 124 \end{array}$$

120 steps

$$\frac{1}{2} = 60$$

$$\begin{array}{r} 6 \\ \times 10 \\ \hline 60 \end{array}$$

6 steps = 20 rods

$$\begin{array}{r} 20 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times 10 \\ \hline 200 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 198 \\ \times \text{D} \\ \hline 396 \\ - 2 \\ \hline 394 \end{array}$$

Ariel

12/15/05

James [redacted]

December 15,
2005

$$1 \times 3 = 3 + 2 = 5$$

$$3 \times 3 = 9 + 2 = 11$$

Figure

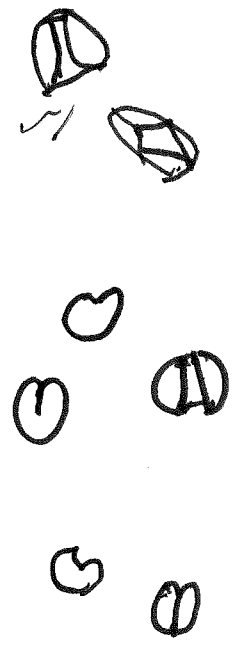
← 1st step

$$\begin{array}{r} +3 \\ 3 \\ \hline +2 \\ 5 \end{array}$$

$$\begin{array}{r} 5 \\ \downarrow \\ 17 \\ \times 80 \\ \hline 60 \\ 136 \\ \hline 1360 \end{array}$$

←

$$\begin{array}{r} 17 \\ \times 2 \\ \hline 34 \\ \uparrow \\ 10 \div 5 = 2 \\ \times 8 \\ \hline 262 \end{array}$$



For every number of steps you multiply
by 3 then add 2 to get how many
blocks there are.

James 

December 15, 2005

Steps $\times 3 + 2 =$ how many blocks.

$$1 \times 3 = 3 * 2 = 5$$

$$4 \times 3 = 12 + 2 = 14$$