













odd



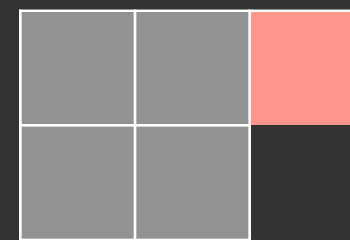
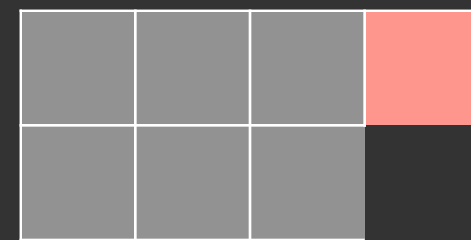


## Theorem

For all integers  $m$  and  $n$ , if  $m$  and  $n$  are odd, then  $m+n$  is even.



- Visual intuition



- ▶ an integer  $n$  is called **odd** if there is an integer  $k$  where  $n = 2k + 1$

# let's try another

## Theorem

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