

# POWERFUL THINKING 3



<https://aiminghigh.aimssec.ac.za/powerful-thinking-3/>

Imagine  
the first  
number is  
written

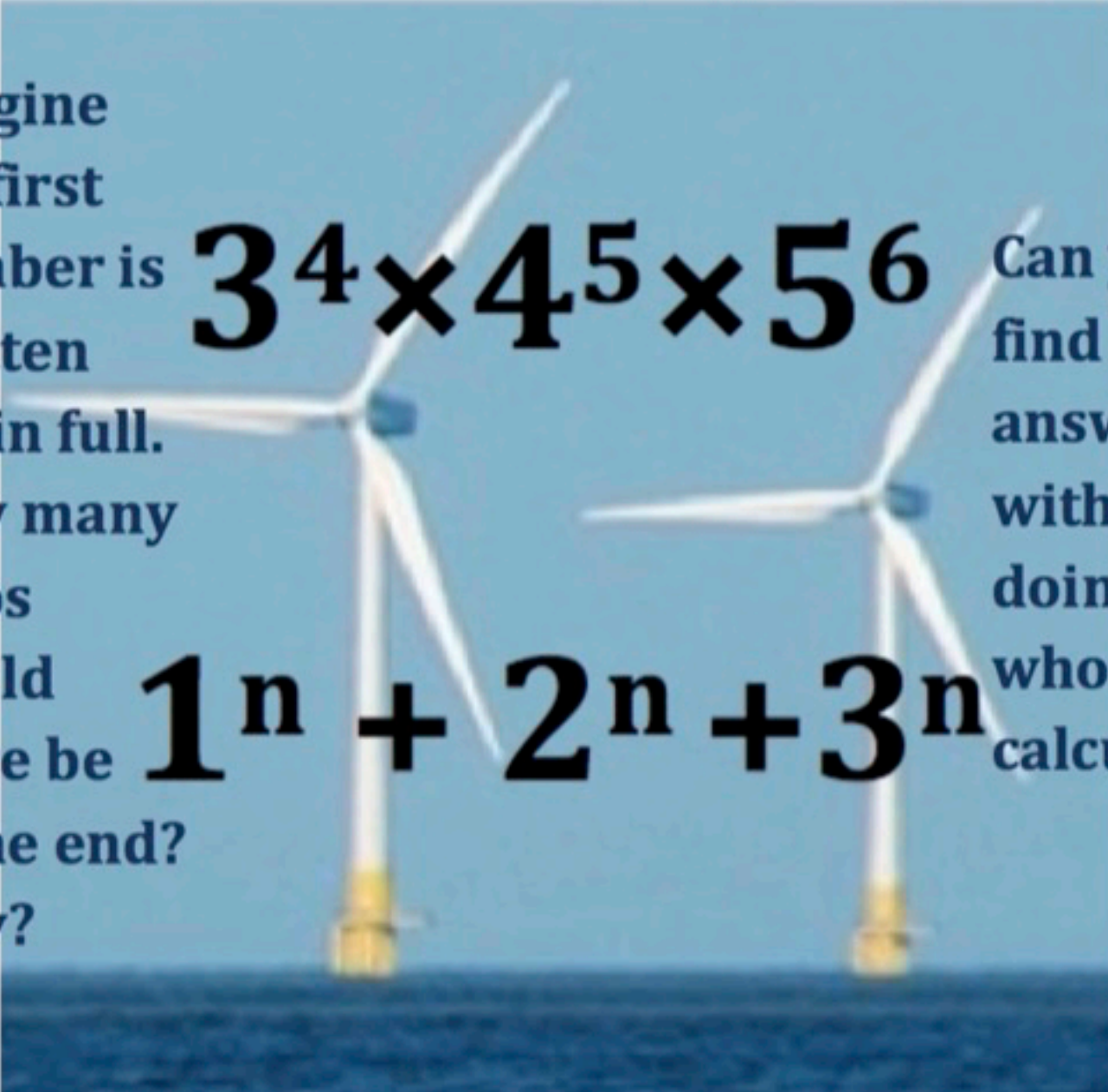
out in full.

How many  
zeros

would  
there be

at the end?

Why?


$$3^4 \times 4^5 \times 5^6$$

$$1^n + 2^n + 3^n$$

Can you  
find the  
answer  
without  
doing the  
whole  
calculation?