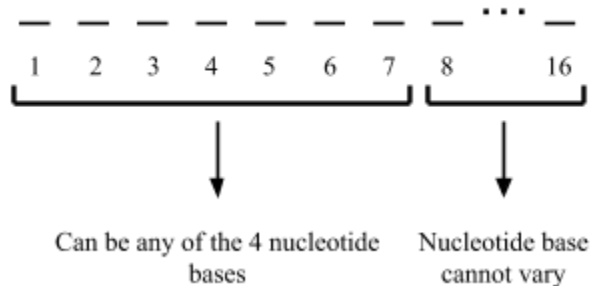




5. A DNA strand is 16 units long. However, the bases of units 8-16, inclusive, are fixed (if the base is yellow, it must remain yellow). How many nucleotide sequences are possible?



6. A certain DNA strand is 8 units long. As a young math and biology enthusiast, Timmy discovers that this DNA strand has 5 possible bases in units 6-8, inclusive. How many nucleotide sequences of this DNA strand are possible?

