

(10 choose 4) \* (0.3)^4 \* (0.7)^6...



www.wolframalpha.com/input/?i=(10+choose+4)+\*+(0.3)^4+\*+(0.7)^6



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(10 choose 4) \* (0.3)^4 \* (0.7)^6

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- = [binomial\(10, 4\) 0.3...](#)
- = [.0123456789...](#)
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Input:

$$\binom{10}{4} 0.3^4 0.7^6$$

 $\binom{n}{m}$  is the binomial coefficient »

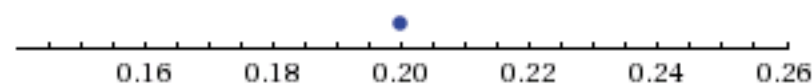
Result:

0.200120949

Repeating decimal:

0.2001209490

Number line:



Alternative representations:

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$$\binom{10}{4} 0.3^4 0.7^6 = \frac{10! (0.3^4 0.7^6)}{4! \times 6!}$$