

EXPLANATION

The first part of the question asks for the number of ways to choose 2 out of 3 items. This is a combination problem, and the formula for combinations is $C(n, k) = \frac{n!}{k!(n-k)!}$. Here, $n=3$ and $k=2$, so $C(3, 2) = \frac{3!}{2!(3-2)!} = \frac{3 \times 2 \times 1}{2 \times 1 \times 1} = 3$.

The second part of the question asks for the number of ways to choose 1 out of 2 items. This is also a combination problem, and the formula is $C(n, k) = \frac{n!}{k!(n-k)!}$. Here, $n=2$ and $k=1$, so $C(2, 1) = \frac{2!}{1!(2-1)!} = \frac{2 \times 1}{1 \times 1} = 2$.

ANSWER

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LINGSTON

