

17466

Minute

Second

1. How many ways can you arrange 10 items, 1 of which are distinct and 9 are identical. Express your answer in scientific notation to 3 significant digits.

2. Joshua has stencils to print the digits 7, 3, 1, 4, 5. How many distinct 7 digit house numbers can he paint, using only the stencils?

3. A cell colony begins with 8 cells. After every 2 hours, each cell divides into 2 cells. How many cells are there after 10 days? Express your answer to 3 digit accuracy in scientific notation.

4. Teyam is on the first floor of a 23 floor building. Each story is the same height and the floors are numbered 1 through 23. A climb to floor number 13 is what fraction of the climb to floor number 21?

5. Ava went shopping and spent $\frac{1}{6}$ of her money at Nob Hill. She then spent $\frac{1}{3}$ of what she had left at Salinas City BBQ. After that, she had \$10 left. How much money did she spend at Nob Hill?