
Seniors

Juniors

Sophomores

First-Years

8

7

5

11

Seniors

Juniors

Sophomores

First-Years

$$\frac{8}{\text{Seniors}} \times \frac{7}{\text{Juniors}} \times \frac{5}{\text{Sophomores}} \times \frac{11}{\text{First-Years}} = 3,080$$

1st

letter

2nd

letter

3rd

letter

1st

number

2nd

number

3rd

number

26

1st

letter

26

2nd

letter

26

3rd

letter

10

1st

number

10

2nd

number

10

3rd

number

$$\begin{array}{cccccc} \frac{26}{1^{\text{st}}} & \times & \frac{26}{2^{\text{nd}}} & \times & \frac{26}{3^{\text{rd}}} & \times & \frac{10}{1^{\text{st}}} & \times & \frac{10}{2^{\text{nd}}} & \times & \frac{10}{3^{\text{rd}}} \\ \text{letter} & & \text{letter} & & \text{letter} & & \text{number} & & \text{number} & & \text{number} \end{array}$$

$$= 17,576,000$$