

NAME:

SECTION:

PERMUTATIONS

The PERMUTATION of n objects taken r at a time is given by

$${}^n P_r = \frac{n!}{(n-r)!}$$

1) Evaluate ${}^8 P_4$

$$\begin{aligned} \square P \square &= \frac{\square!}{(\square - \square)!} \\ &= \frac{\square \cdot \square \cdot \square \cdot \square \cdot \square!}{\square!} \\ &= \square \cdot \square \cdot \square \cdot \square = \square \end{aligned}$$

2) Evaluate ${}^{10} P_5$

$$\begin{aligned} \square P \square &= \frac{\square!}{(\square - \square)!} \\ &= \frac{\square \cdot \square \cdot \square \cdot \square \cdot \square \cdot \square!}{\square!} \\ &= \square \cdot \square \cdot \square \cdot \square \cdot \square = \square \end{aligned}$$

How was the activity?



EASY



AVERAGE



DIFFICULT

What are your insights and takeaways?
If you think that the activity is difficult,
identify which part of the lesson you
want to be rediscussed.
