

Quiz: Permutations

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|----|-------------------------|----|-------------------------|
| 1. | Evaluate $6! / {}_5P_4$ | 2. | Evaluate ${}_8P_2$ |
| 3. | Evaluate $(8 - 3)!$ | 4. | Evaluate ${}_6P_5$ |
| 5. | Evaluate ${}_5P_2 / 2!$ | 6. | Evaluate ${}_4P_1 / 3!$ |

7. How many different 5 digit vehicle number plates can be made if the first digit must not be a 9 and no digits may be repeated?
8. There are five different numbers 5, 3, 7, 6, and 1. How many permutations of numbers start with the number 3?
9. How many 4 digit license plates can be made if the first digit must not be a 0 or 9, but digits may be repeated?
10. Megan has 6 T-Shirts and 1 pair of jeans. How many choices does she have to pick a T-Shirt and a pair of jeans?

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|------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Circle # Correct | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Percentage Score | 0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100% |