

Name : _____

Permutations

Sheet 5

Find the number of permutations.

- 1) golf, tennis, baseball, basketball, ice hockey, soccer, lacrosse, volleyball, rugby, wrestling, swimming, cycling, skateboarding - taken two at a time

- 2) circle, square, _____, hexagon, nonagon - take two

- 3) A, C, E, G, K, M

- 4) spring, summer

- 5) bread, doughnut, fortune cookie, ice cream, milkshake, pancakes, sandwich, chicken nuggets, juice, hamburger - taken four at a time

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Permutations

Find the number of permutations.

- 1) golf, tennis, baseball, basketball, ice hockey, soccer, lacrosse, volleyball, rugby, wrestling, swimming, cycling, skateboarding - taken two at a time

156

- 2) circle, square, triangle, rectangle, pentagon, hexagon, heptagon, octagon, nonagon - taken two at a time

6

- 3) A, C, E, G, K, M, O, Q, S, U, W, Y

5

- 4) spring, summer, autumn, winter

6

- 5) bread, doughnut, fortune cookie, ice cream, milkshake, pancakes, sandwich, chicken nuggets, juice, hamburger - taken four at a time

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