

Warmup 19 Apr

Permutation: order matters

4) Tyler has a collection of six toy train cars and creates a train using four of them. How many different ways could the train be created?

(8) A baby presses six of the ten numbers (zero to nine) on a phone dial pad once each. How many different numbers could she have dialed?

(2) Four names are to be picked from a hat to be on a team. There are a total of fourteen names in the hat. How many different combinations of names can be picked?

Combinations: order does not matter

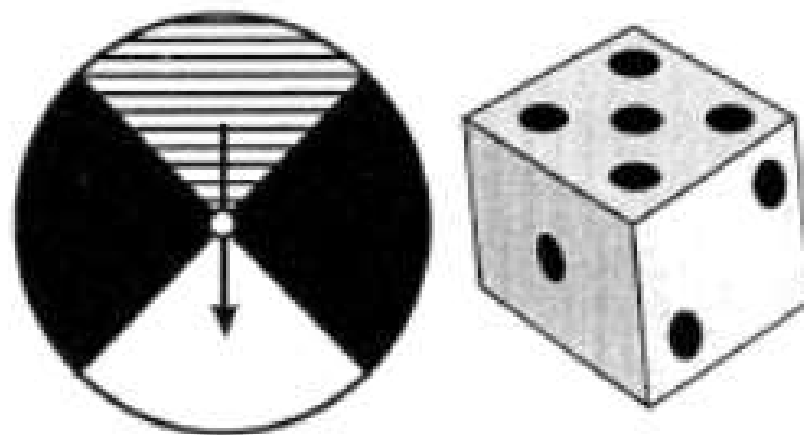
(6) There are eleven different marbles in a jar. How many ways can you take seven from the jar?

2 Find each probability if you spin the spinner and roll the die.

A. $P(\text{white, 2})$

H. $P(\text{black, 6})$

E. $P(\text{white, even})$



WARMUP

5 Find each probability if you pick two marbles without replacing the first

O. $P(\text{red, then green})$

A. $P(\text{red, then yellow})$

W. $P(\text{green, then green})$

