

## Warm Up!

1. The Federal Government will award 4 out of 50 State Governments a 1 million dollar grant for education. How many ways can the four states be selected?
2. 4 adults, 6 kids, and 3 aliens enter to win a trip to the moon. If the “Let’s Go To The Moon” committee selects one adult, one kid, and one alien to win, how many ways can this be done?
3. How many 4 digit numbers can we create if the digits cannot repeat?

Warm Up!

1. The Federal Government will award 4 out of 50 State Governments a 1 million dollar grant for education. How many ways can the four states be selected?

230,300

## Warm Up!

4 adults, 6 kids, and 3 aliens enter to win a trip to the moon. If the “Let’s Go To The Moon” committee selects one adult, one kid, and one alien to win, how many ways can this be done?

72

Warm Up!

3. How many 4 digit numbers can we create if the digits cannot repeat?

5040