

3. Oman is playing a children's card game. He will win if he draws at least one fire, one water, one dark, one earth, and one wind type card within the next 5 draws. If Oman's deck is composed solely of 1/5 of each type and one of the draws does not affect the chances of the next draw, find the probability of Oman winning. MMM .

(a) 32/625

(d) 24/625

(c) 24/301

A. Miner

(b) 12/625

(a) 29

(b) 28

(a) 13

(b) 11

4. The only animals on Farmer James' farm are cows and chickens. If James counts a total of 45 heads and a total of 126 feet, find the number of cows on James' farm.

(c) 18 (d) 22

5. Ronald is baking cupcakes. Of the cupcakes he bakes, 3/5 of them are red velvet cupcakes. Of the red velvet cupcakes, 1/3 of them have red icing, and of those cupcakes, another 1/2 have red sprinkles. If Ronald baked a total of 120 cupcakes, how many cupcakes does he have that have red sprinkles, red icing, and are red velvet, after he gives 1 of them to James?

(c) 14

(d) 21

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