

Mathematics 132
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Name: _____

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EXAM 1

Problem 1 How many different ways can the letters in the word BOOKKEEPER be rearranged?

Problem 2 How many different three letter words can be formed from the letters in BOOKKEEPER?

Problem 3 Wisconsin licence plates consist of three letters followed by three digits. How many different plates contain at least one S?

Prob

Problem 4 A deck consists of 52 cards, a poker hand of five cards. How many poker hands contain exactly two kings?

Prob.
and 2

How

Problem 5 How many numbers between 100 and 999 contain at least one 4?

hands

Problem 6 In how many different ways can a coin flipped 6 times come up with 4 heads and 2 tails?

Problem 7 How many committees of 2 boys and 2 girls can be selected from a class of 14 boys and 17 girls?

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Problem 8 A box contains three red balls and two white balls. We choose two balls without replacement. What is the probability that both are white?

Prob.
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get a :

ss of 14

Problem 9 Five letters are to be distributed in three mailboxes. What is the probability that no mailbox is empty?

without

Problem 10 Amy and Ben are in a pool of six candidates for three jobs. Each candidate has the same chance at a job. What is the probability that at least one (possibly both) will get a job?