_	orksheet Answers Name
=	ssion using factorials and then evaluate. $ \begin{array}{ccccccccccccccccccccccccccccccccccc$
9,765,625_	4. Each question on a ten-question multiple-choice quiz has answer choices labeled A, B, C, D and E. How many different ways can a student answer the ten questions?
102,515,625_	5. How many different 3 letter, 4 digit license plates are there without a W and a 2?
256	6. A coin is tossed eight times. How many possible sequences of heads or tails are possible?
120,960	7. Six different hardcover books and four different paperbacks are placed on a shelf. How many ways can they be arranged if all the paperback books are together?
40,320	_8. In how many ways can 9 people sit around a campfire?
181,440	_9. In how many ways can 10 charms be placed on a bracelet with no clasp?
30,240	10. Caid has 10 holiday candles, each a different color. How many ways can he arrange the candles in a candelabra that holds 5 candles?
4,845	11. In how many ways can a student choose 4 books from 20 that are on the library shelf?
124, 740	12. How many committees of 5 men and 4 women can be selected from a group of 10 men and 12 women?
588	13. From a group of 10 men and 8 women, how many committees of six contain at least 5 women?
204, 490	14. Seven cards are drawn from a standard deck of cards. How many hands consist of 4 hearts and 3 clubs?
5,148	_15. How many five card hands consist of the same suit?
48, 620	16. How many 9 player baseball teams can be made from a group of 18 players?
3,360	17. How many different ways can the letters in "PARALLEL" be arranged?
2,520	18. How many ways can seven keys be arranged on a key ring with a VIC card already on the ring?
12	19. How many ways can 5 people be seated around a table if 2 of the people must be seated next to each other?
22,308	20. Five cards are drawn from a standard deck of cards. How many hands consist of 2 diamonds and 3 spades?