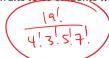
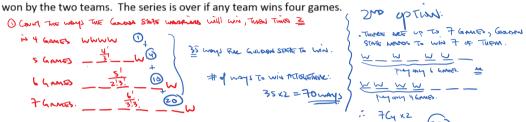


3. A teacher has 4 bananas, 3 apples, 5 oranges, and 7 watermelons. In how many ways can the teacher distribute these fruits to 19 students with one each?



4. The Lakers played the Golden State Warriors in a 7 game series. How many ways can the games be



5. The Canucks played the Flames in a 5 game playoff series. If the Canucks won the series, how many ways can the games in the series be won?



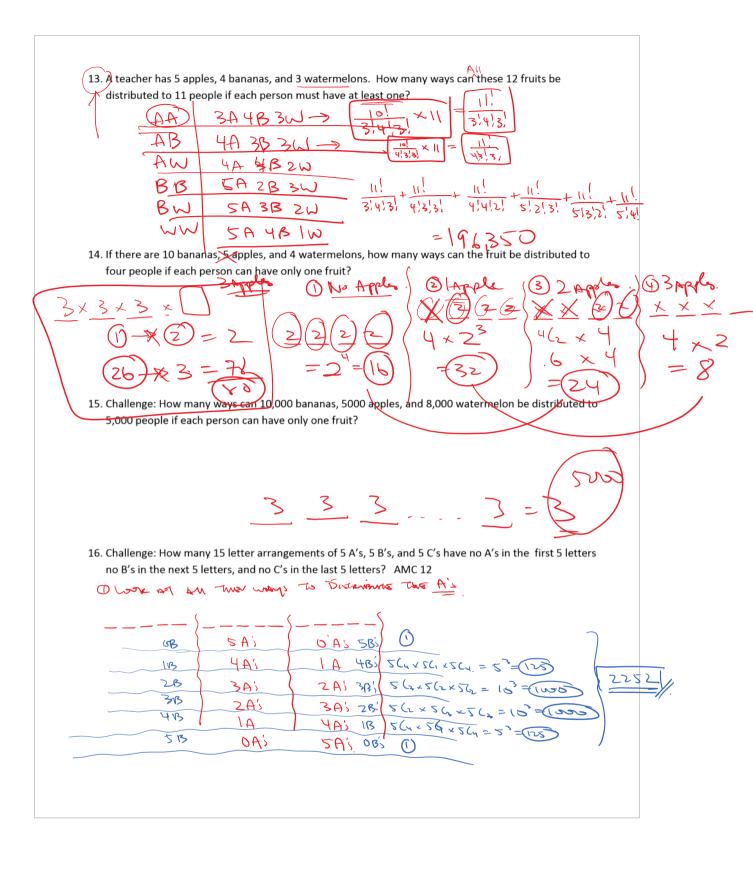
6. How many 8 digit numbers have 3 ones, 2 fives, and 3 sixes?



7. If $a \neq b$ and 9Ca = 9Cb, then what is the value of a + b?



8. If the	e sum of all the numbers in the ${\sf n}^{\sf th}$ row of Pascals triangle is 8192, then what is ${}_nC_7$ equal to?
9. How	many ways can the letters in the word MINICOOPER be arranged?
	25C17 25C8
conse	etters in APPLEPIE are rearranged and it must begin with the letter "P". How many different
	ngements can there be?



20.	How many 15-letter arrangements of 5 A's, 5 B's, and 5 C's have no A's in the
	first 5 letters, no B's in the next 5 letters, and no C's in the last 5 letters?

(A) $\sum_{k=0}^{5} {5 \choose k}^3$ (B) $3^5 \cdot 2^5$ (C) 2^{15} (D) $\frac{15!}{(5!)^3}$ (E) 3^{15}