1.- how many factors 720 has?

2.- How many factors 3640 has?

3.- Find the greatest common factor of 48 and 90

4.- Use prime factorizations to find GCF and LCM of 28, 49, and 63.

5.- At a summer camp, chocolate milk is served every other day, corn is served every 4 days and pizza every 7 days. Today all three were served. What is the smallest number of days until all three are served again?

6.- The organizers of a gymnastics event wish to arrange the participants in neat rows. They try rows of 2, 3, 4, 5, 6, 7 and 8, but in each case there is one gymnast left over. There are fewer than 1000 gymnasts in all. How many are there? Explain your reasoning. (Hint: What if 1 gymnast left the room?)

7.- How many ways students can answer questions true, false or I don't know?

8.- How many passwords are possible by using 6 digits where the first 2 digits must be letters and the last four digits must be numbers?

9.- A restaurant offers a special menu where people can choose one of each different category. People can choose: one of 4 beverages, one of 5 appetizers, one of 6 main dishes and one of 5 desserts.
How many different meals are possible