Name _____ **Period** _____ **Date** _____

8.1.2.1

necklaces possible, how many brown shells were on each necklace?

8. Mable made Easter eggs filled with jellybeans. She used 32 green jellybeans, 48 yellow jellybeans and 64 purple jellybeans. She used the same number of each color in every egg. What is the maximum number of eggs she could make?

9. Using information from number 7, how many purple jellybeans were in each egg?

10. Mr. E passed out paper to his students on Monday. He gave every 10th student a green piece of paper, every 6th student a white piece of paper and every 3rd student a purple piece of paper. How many students out of 90 received all three colored papers?

11. Viridiana, a costume designer, has 36 bat buttons, 27 pumpkin buttons, and 18 black cat buttons she must use to create costumes. What is the largest number of costumes she can make without having any buttons left over?

12. Landon 60 peppermints, 90 candy corns and 120 lollipops. He wants to make packages of these candies to bring to his school to pass out to his classmates. What is the maximum number of packages he can make using all items?

13. Hot dogs come in packages of 12 and hot dog buns come in packages of 10. What is the least number of packages of each that Dominique can buy to be able to have a barbeque with no buns or hot dogs left over?

14.Sara has 16 red flowers and 24 yellow flowers. She wants to make bouquets with the same number of each color flower in each bouquet. What is the greatest number of bouquets she can make?

15. Two neon signs are turned on at the same time. Both signs blink as they are turned on. One sign blinks every 9 seconds. The other sign blinks every 15 seconds. In how many seconds will they blink together again?