

Group E

Sample Questions

- 1) Three-sevenths of the 21 marbles in a jar are blue. How many blue marbles are in the jar?



- 2) How many three-digit numbers have a sum of digits equal to 25?



- 3) Greg went for a run on Tuesday at camp. The run took 1 hour and 30 minutes. As soon as he got back, Greg played basketball for 2 hours and 15 minutes. It was 5:30 P.M. when Greg finished playing basketball. What time did Greg start his run?



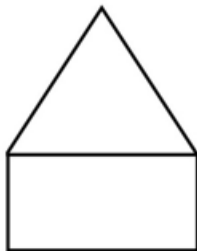
- 4) The collector owns three rare stamps. The value of Stamp A is $\frac{3}{4}$ as much as the total value of Stamp B and Stamp C. The value of Stamp B is $\frac{2}{3}$ as much as the total value of Stamp A and Stamp C. If Stamp B is \$48,000 more than the value of Stamp C, what is the value of Stamp A?



- 5) On the first day, in the evening, during her workout routine, Nina did sit-ups several times. Each subsequent day, she did one more sit-up than the previous day. It turned out that over the course of a week; she did 196 sit-ups in total. How many sit-ups did Nina do on the first day?



- 6) Elly drew an equilateral triangle and a rectangle with equal perimeters. Find the perimeter of the drawn rectangle in centimeters if its area is 128 cm^2 .



- 7) Find how many different whole numbers can divide into 59, leaving a remainder of 4, while also dividing into 113, leaving a remainder of 3.