Question 1:
If Mrs Smith separates her class into groups of 4 students each 1 student is left over. If she separates her class into groups of 5 students each, 2 students are left over. What is the least number of students the class could have?

Question 2:
Suppose that you roll two triangular pyramids, each of which has equilateral faces numbered from 1-4.
What is the probability of rolling a sum of 5?

Question 3:
At the end of one school day a teacher had 17 crayons left. The teacher remembered giving out 14 of all her crayons in the morning, getting 12 crayons back at recess, and giving out 11 crayons after lunch. How many crayons did the teacher have at the start of the day?
Question 4:
A boat leaves a port and sails 7 nautical miles due west. It then changes course and sails 16.8 nautical miles due north. How far is the boat from port?

Question 5:
At a special sale, all pens are sold at one price and all pencils at another price. If 3 pens and 2 pencils are sold for 47c, while 2 pens and 3 pencils are sold for 38c, what is the cost of a set of one pen and one pencil, in cents?