Problems

In preparation for Tracy’s wedding, Lisa decides to throw Tracy a bridal shower. Lisa is planning to make the invitations herself. Each invitation requires 6 inches of ribbon to make a tiny bow on the front. If Lisa needs enough ribbon for 28 invitations, but must buy the ribbon by the half-yard, how many yards of ribbon must Lisa buy? Express your answer as a decimal to the nearest tenth.

One of the most difficult tasks before a wedding for many couples is to do the seating chart for the reception. Tracy’s reception site has tables that seat 8 people or tables that seat 10 people. If Tracy uses the tables that seat 8 people, she will have exactly 2 guests left over. If Tracy uses the tables that seat 10 people, she will have exactly 4 guests left over. Tracy has between 200 and 250 guests. How many guests does Tracy have?

One of the final tasks of the wedding day is often to cut the wedding cake. Tracy chose a wedding cake design that is made up of many smaller cakes. Each of the smaller cakes is the shape of a right cylinder with a height of 5 inches and a diameter of 10 inches. Each smaller cake will be cut into exactly 30 pieces. How many cubic inches of cake are in each piece? Express your answer as a decimal to the nearest tenth.

Check the Problem of the Week Archive next week for solutions to these and previous problems.