



Problem of the Week Grade 9 and 10

Full of Beans

Canada celebrates its birthday every July 1st on Canada Day. The colours red and white, the colours on the Canadian flag, are seen everywhere.

In honour of Canada Day, a company produced a jumbo bag of candy containing only red and white jelly beans in the ratio 7:11 respectively.

Khan Di loves jelly beans and purchased one of the special packages of candy. He decided to make the candy last as long as possible by eating exactly two red jelly beans and three white jelly beans each day. Finally one day he ate the last two red jelly beans along with three white jelly beans leaving four white jelly beans in the bag.

How many candies were in the original bag of red and white jelly beans?

