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package com.company;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        boolean keepRunning = true;
        while(keepRunning) {
            try {
                System.out.println("How many books do you have for
shipping? ");
                Scanner sc = new Scanner(System.in);
                int numberOfBooks = sc.nextInt();

                int shippingInfo[] = numberOfBoxes(numberOfBooks);
                int shippingFee = getShippingFee(shippingInfo[0]);

                System.out.print("You will recieve " + shippingInfo[0] + "
boxes, " + shippingInfo[1] + " box(es) containing 5 books ");
                if (shippingInfo[2] != 0) {
                    System.out.println("and one box containing " +
shippingInfo[2] + " books.");
                }
                System.out.println("The shipping price will be: " +
shippingFee + " SEK");

                keepRunning = false;
            }
            catch (Exception e) {
                System.out.println("Not a valid number, try again.");
            }
        }

        // Shipping fee for an order of 1-5 boxes is 8 SEK / box. When ordering
        >= 6 boxes, the shipping fee is 5 SEK / box.
        public static int getShippingFee(int numberOfBoxes){
            int shippingFee;
            if (numberOfBoxes <= 5 && numberOfBoxes >= 1){
                shippingFee = numberOfBoxes * 8;
            }
            else{
                shippingFee = numberOfBoxes * 5;
            }
            return shippingFee;
        }

        // Amount of boxes needed will be calculated (Max 5 books per box)
        public static int[] numberOfBoxes(int numberOfBooks){
            int rest = numberOfBooks % 5;
            numberOfBooks = numberOfBooks - rest;
            int numberOfFullBoxes = numberOfBooks / 5;
            int totNumberOfBoxes = numberOfFullBoxes;
            if (rest > 0){
                totNumberOfBoxes ++;
            }
            return new int[] {totNumberOfBoxes ,numberOfFullBoxes, rest};
        }
    }
}

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}  
}
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