Name: _____   Date: _____

4 ASSESSMENT GUIDE
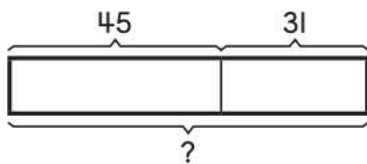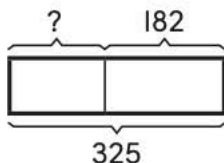## ADDITION AND SUBTRACTION USING BAR MODELS

15

Section A Multiple-Choice Questions
(Questions 1 to 3: 2 points each)

1.   Ava collected 45 stamps last month.
     She collected 31 stamps this month.
     How many stamps did Ava collect in both months?

   (A) 14   (B) 74

   (C) 76   (D) 86

2.   Kaylee's toy store has 325 toy cars.
     She sells 182 toy cars.
     How many toy cars does she have left?

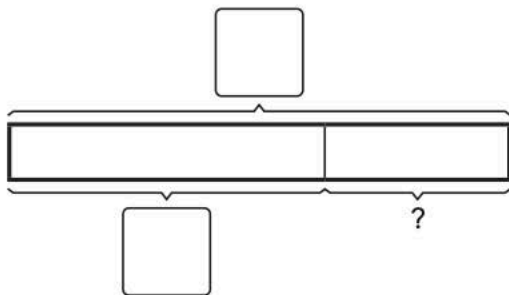   (A) 143   (B) 153

   (C) 243   (D) 507

Section B Short Answer Questions

(Questions 4 to 6: 2 points each)

4. Sophia and Ella have 38 pencils altogether.
    Ella has 24 pencils.
    How many pencils does Sophia have?
    Show your work below and write your answers in the blanks.

_____ ◯ _____ = _____

Sophia has _____ pencils.

6. 135 children visited a zoo in the morning.
54 more children visited the zoo in the afternoon.
26 more children visited the zoo in the evening.
How many children visited the zoo that day?

Draw a model to explain your thinking.

Show your work below and write your answer in the blank.
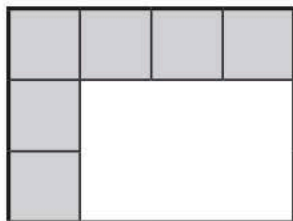
_____ children visited the zoo in all.

Section B Short Answer Questions

(Questions 4 to 6: 2 points each)

4. Draw lines to divide each rectangle into thirds.
    Show **two** different ways.
    For each way, color one third of the rectangle.

5. Luke covers a rectangular piece of paper with some square
    cards as shown.
    How many more square cards does he need to cover the
    whole piece of paper?
    Draw lines to show how many more square cards are needed.
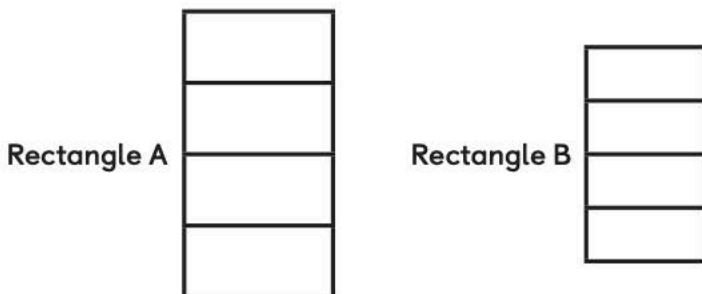   Write your answer in the blank below.

    He needs _____ more square cards.

Section C Constructed Response

(Question 7: 3 points)

7. Look at the shapes below.

Rectangle A

Rectangle B

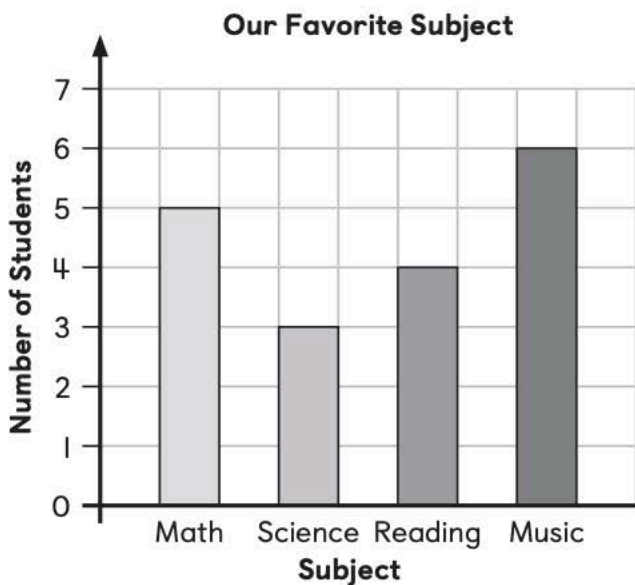Rahul says that one part of Rectangle A is equal to one part of Rectangle B as each part is one fourth.

Do you agree with Rahul?
Explain your answer.
Draw a model to explain your thinking.

Show your work and write your answer in the space below.

7. The bar graph shows the favorite subject of some students.

Our Favorite Subject

How many more students chose Math than Science?

(A) 5 (B) 4

(C) 3 (D) 2

8. The line plot shows the lengths of some pieces of ribbon in inches.

Length (inches)

How many pieces of ribbon are longer than 4 inches?

(A) 4 (B) 6

(C) 7 (D) 10