

Mathematics Problem Solving



DIRECTIONS

Read each question or problem carefully. Then answer the question or work the problem. Mark the space for your answer.

SAMPLE A

$$7 + \square = 13$$

What number should be written in the box to make this sentence true?

4 5 6 19

(A)

(B)

(C)

(D)

SAMPLE B



Jonah is sixth in line to get a ticket to ride the roller coaster. How many children are in front of him?

5 6 7 8

(A)

(B)

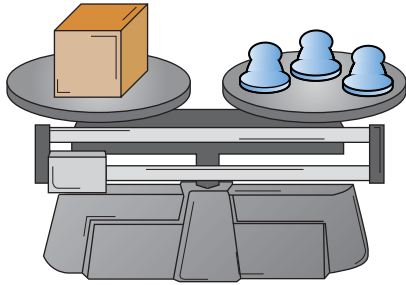
(C)

(D)



1

Edward found that his box has the same weight as three 5-ounce weights.



Each  weighs 5 ounces

What is the weight of Edward's box? In your answer document, show or explain how you found your answer.

2

The table below shows information about the different license plates Matilda saw on vacation.

License Plates

State	Number Seen
California	12
New Mexico	73
Texas	45
Colorado	19

Which expression can be used to find how many more license plates were from New Mexico and Colorado together than from Texas?

- (A) $19 + 73 + 45$
- (B) $73 + 19 - 45$
- (C) $73 - 45 - 19$
- (D) $45 + 73 - 19$



3

Rolando was given the following input and output number pairs to place in the table shown below.

$(3, 8)$, $(5, 10)$, $(8, 13)$, $(9, 14)$

A. Place the number pairs in the table.

Input	Output

B. Find and describe a pattern for the number pairs you wrote in the table.

C. Write two more number pairs that follow the same pattern.