

Mathematics Problem Solving



DIRECTIONS

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

For some questions, you will write your answers in the spaces provided in your answer document. You may sometimes be required to draw or copy something in your answer document. Be sure to write your answers neatly. Remember to keep your writing inside the boxes. Writing outside the boxes will NOT be scored.

SAMPLE A

Gail bought 3 shirts for \$10 each and 6 pairs of socks for \$2 a pair. What was the total cost of the items, not including tax?

- \$12 \$21 \$42 \$54
A **B** **C** **D**

SAMPLE B

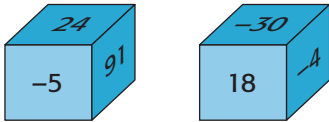
Cassandra has small bags of markers to give to each of 11 classmates. Each bag has 5 markers in it. How many total markers will Cassandra give to her classmates?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.



1

Andrew is playing a game with number cubes that he made. Andrew rolled the cubes, which landed on the numbers shown below.



What is the sum of the numbers on top of the cubes

- A -54
- B -6
- C 6
- D 54

2

Maurice recorded the rental cost of video games in the table below.

Video Game Rental

Number of Video Games	Rental Cost (dollars)
1	2.50
2	5.00
3	7.50
4	10.00
5	12.50

- A. In your answer document, write an equation that can be used to determine c , the rental cost for v video games.
- B. What is the cost to rent 12 video games? In your answer document, show or explain how you got your answer.



3

Martha is thinking of joining a community center with a swimming pool. She found a center that charges no monthly fee. Instead, the center charges her \$5 for each day she swims.

Days	Total Cost (dollars)
0	0
1	5
2	
3	
4	
5	
6	
7	
8	

- A. Copy and complete the table in your answer document for the missing values.
- B. In your answer document, write an equation that could be used to determine c , the total cost Martha spends for swimming n days.
- C. Martha's friend found a family center that charges \$10 per month plus \$4 per day to swim. If Martha swims 8 days a month, which center would cost her the least amount of money? In your answer document, show or explain how you got your answer.