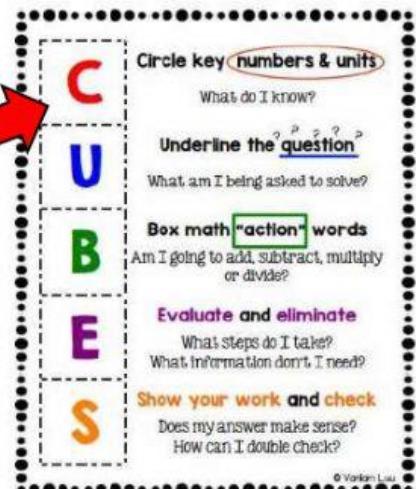


# Challenging Math Problems

## INSTRUCTIONS

1. Watch the video if you need to be reminded of the **CUBES** strategy to solve word problems.
2. Follow the problem-solving steps.
3. When you are finished, submit the worksheet.
4. If you get all the answers correct, you are a champion at using this Math strategy! Well done!
5. If you made some mistakes, try the worksheet again.



## Challenge Problem 1

There were 12 boys playing football in the park. There were 13 girls rope jumping in the park. How many children were in the park altogether?



1. If I use the **CUBES** strategy, what information should I circle?
  - A. The question.
  - B. The names of the children.
  - C. The numbers.
  - D. The picture.
2. If I use the **CUBES** strategy, what should I underline?
  - A. Underline the question.
  - B. Underline the names.
  - C. Underline the numbers.
  - D. Do not underline anything.

3. Which operation will I use to solve the problem?

- A. subtraction
- B. addition
- C. addition and subtraction
- D. I do not know.

4. Choose the best number sentence to solve the problem.

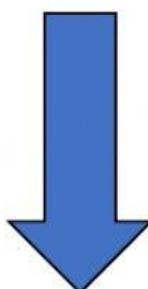
- A.  $12 + 13 = 26$
- B.  $13 + 12 = 24$
- C.  $13 - 12 = 25$
- D.  $12 + 13 = 25$

5. Write the correct number sentence.

+  =

6. There were \_\_\_\_\_ children in the park altogether.

If you could complete Challenge Problem 1, try  
Challenge Problem 2.



## Challenge Problem 2

Jasim has 36 toy cars. Jasim is a very good older brother. He gives 13 of his toy cars to his little brother, Salem. How many toy cars does Jasim have left?



1. If I use the **CUBES** strategy, what information should I circle?
  - A. The picture of the cars
  - B. The names of the children.
  - C. The question.
  - D. The numbers.
2. If I use the **CUBES** strategy, what should I underline?
  - A. Underline the names.
  - B. Underline the question.
  - C. Underline the numbers.
  - D. Do not underline anything.
3. Which operation will I use to solve the problem?
  - A. subtraction
  - B. addition
  - C. addition and subtraction
  - D. I do not know.

4. Choose the best number sentence to solve the problem.

- A.  $36 + 13 = 26$
- B.  $36 - 13 = 25$
- C.  $36 - 13 = 24$
- D.  $36 - 13 = 23$

5. Write the correct number sentence.

$$\boxed{\quad} - \boxed{\quad} = \boxed{\quad}$$

6. Jasim has \_\_\_\_ toy cars left.

### Challenge Problem 3

Mariam baked 16 donuts for the bake sale. Yasmin baked 24 donuts for the bake sale. They sold 37 donuts at the bake sale. How many donuts were left?



1. If I use the **CUBES** strategy, what information should I circle?

- A. The picture of the donuts
- B. The question.
- C. The numbers.
- D. The names of the children.

2. If I use the **CUBES** strategy, what should I underline?

- A. Underline the question.
- B. Underline the numbers.
- C. Underline the names.
- D. Do not underline anything.

3. How many steps does this word problem have?

- A. one
- B. two
- C. three
- D. no steps

4. Choose what you need to for the first step to solve this problem.

- A. I need to subtract the number of donuts sold.
- B. I need to add Mariam and Yasmin's donuts together.
- C. I need to eat a donut.
- D. I need to add the donuts sold to the total number of donuts.

5. What is the second step of the problem?

- A. I need to subtract the number of donuts sold from the total number of donuts at the bake sale.
- B. I need to add the total number of donuts at the bake sale to the number of donuts sold.
- C. I need to eat another donut.
- D. I need to subtract the number of donuts sold from the number of donuts Mariam baked.

5. Write your two number sentences below to show your work.

$$\boxed{\quad} + \boxed{\quad} = \boxed{\quad} \quad \text{STEP 1}$$

$$\boxed{\quad} - \boxed{\quad} = \boxed{\quad} \quad \text{STEP 2}$$

6. There were \_\_\_\_\_ donuts left.

7. Did you check your answer? Write in the box below how you checked your answer.