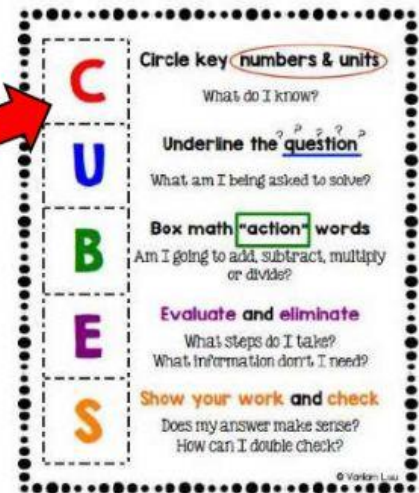


Challenging Math Problems

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

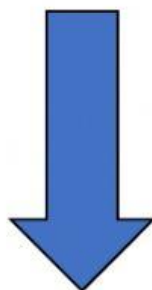
There were 12 boys playing football in the park. There were 13 girls rope jumping in the park. How many children were in the park altogether?



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.
- $$\square + \square = \square$$
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.

$$\square - \square = \square$$

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.

$$\square + \square = \square \quad \leftarrow \text{STEP 1}$$

$$\square - \square = \square \quad \leftarrow \text{STEP 2}$$

6. There were _____ donuts left.

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