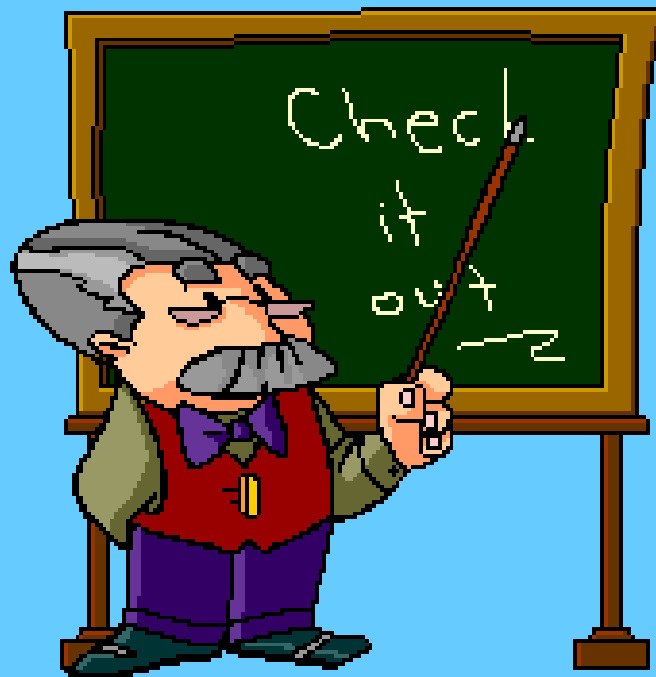


Problem Solving Part 1

GET READY FOR . . .

Problem Solving Strategies...



TAKS BASED PROBLEM SOLVING MODEL

Read the problem.

Understand the problem.

Make a plan.

Carry out the plan.

Solve.

Other Helpful Tasks

- Write down what is known
- Write down what is unknown

Other Helpful Tasks

- Develop a strategy on how to make the unknown known. In other words, figure out what formula(s) is needed to convert the unknown into known.

Major Hint

- In many cases one will need to use more than one formula to solve the problem. Figure the sequence of formulas to solve the problem.

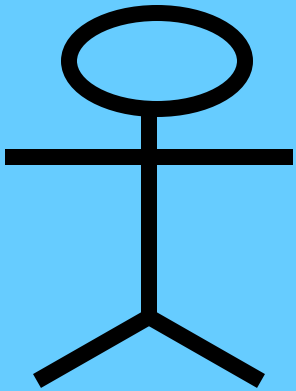
Very Important

Know what formula(s) to use. The wrong formula will never solve your problem!

Julia has 5¢. Her brother gave her 3¢. How much money does she have in all?

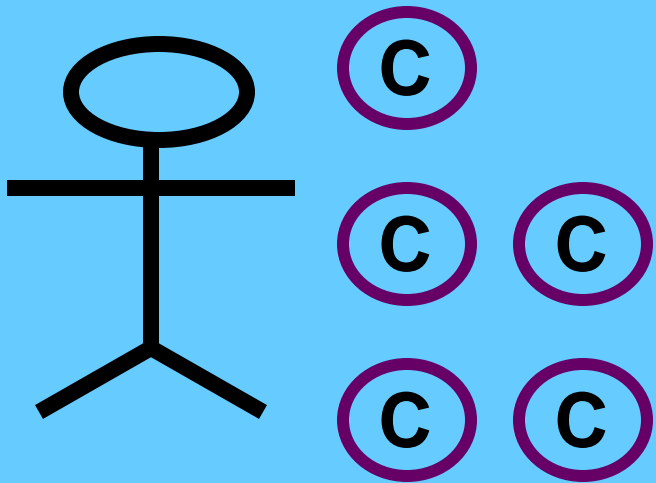
Julia has ~~5¢~~. Her brother
gave her ~~3¢~~. How much
money does she have in
all?

Julia



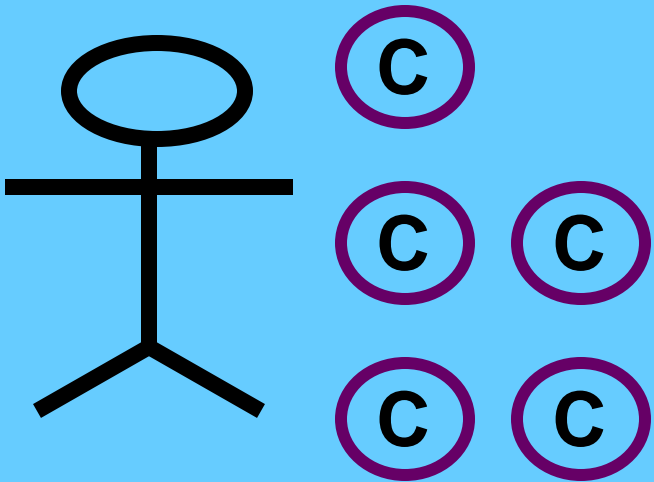
Julia has 5¢. Her brother gave her 3¢. How much money does she have in all?

Julia

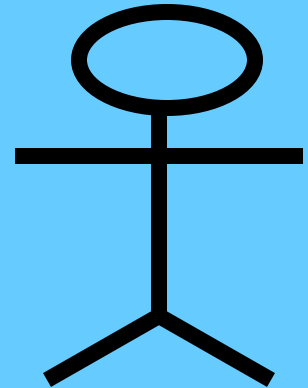


Julia has 5¢. Her brother gave her 3¢. How much money does she have in all?

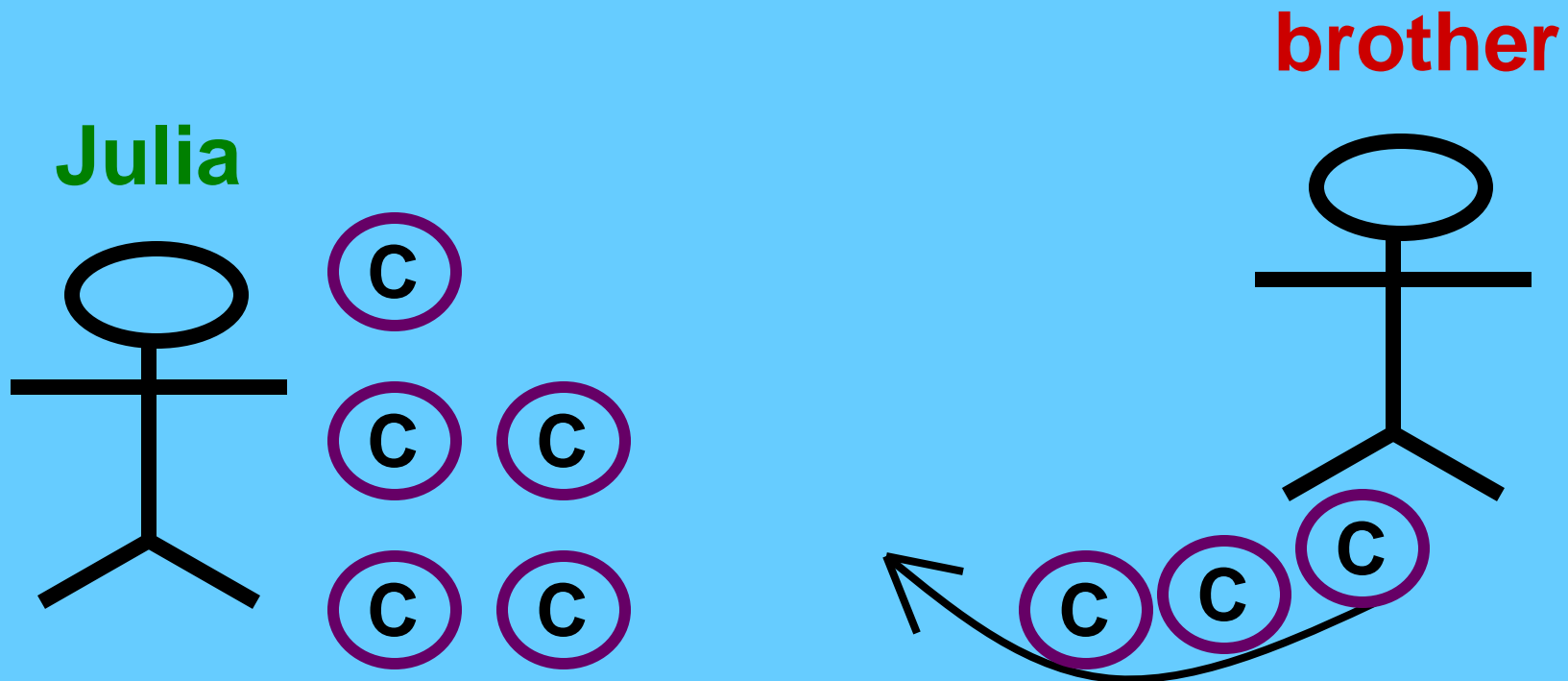
Julia



brother



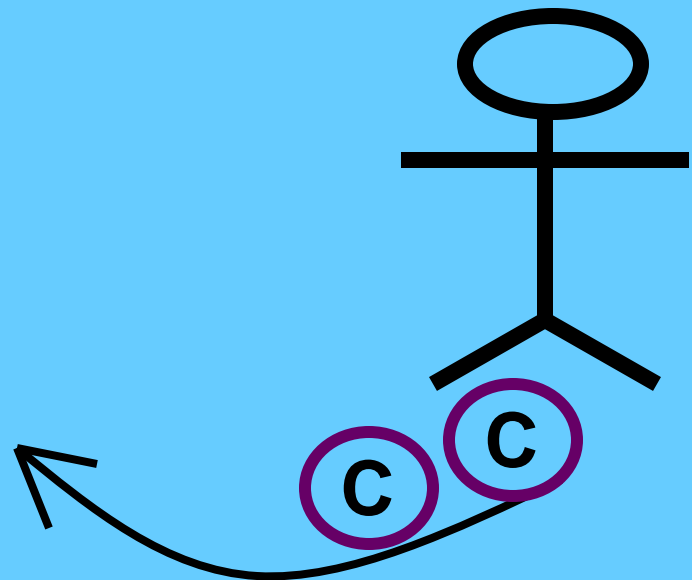
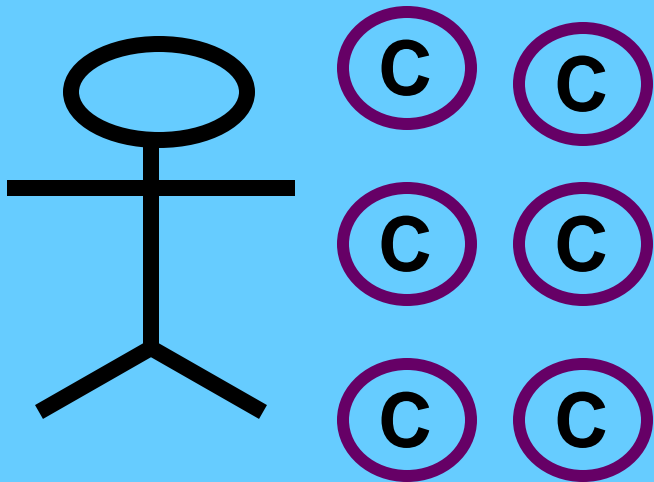
Julia has 5¢. Her brother *gave her 3¢.* How much money does she have in all?



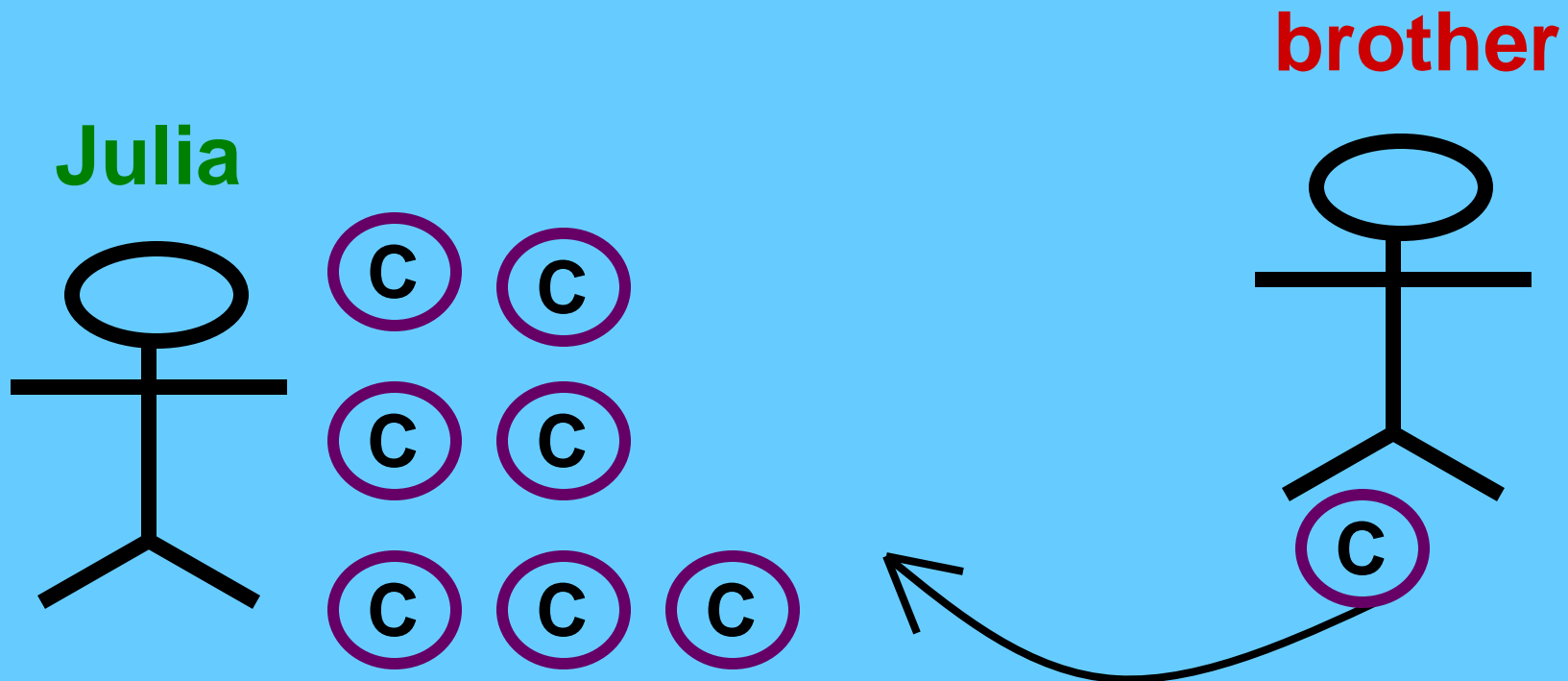
Julia has 5¢. Her brother *gave her 3¢.* How much money does she have in all?

brother

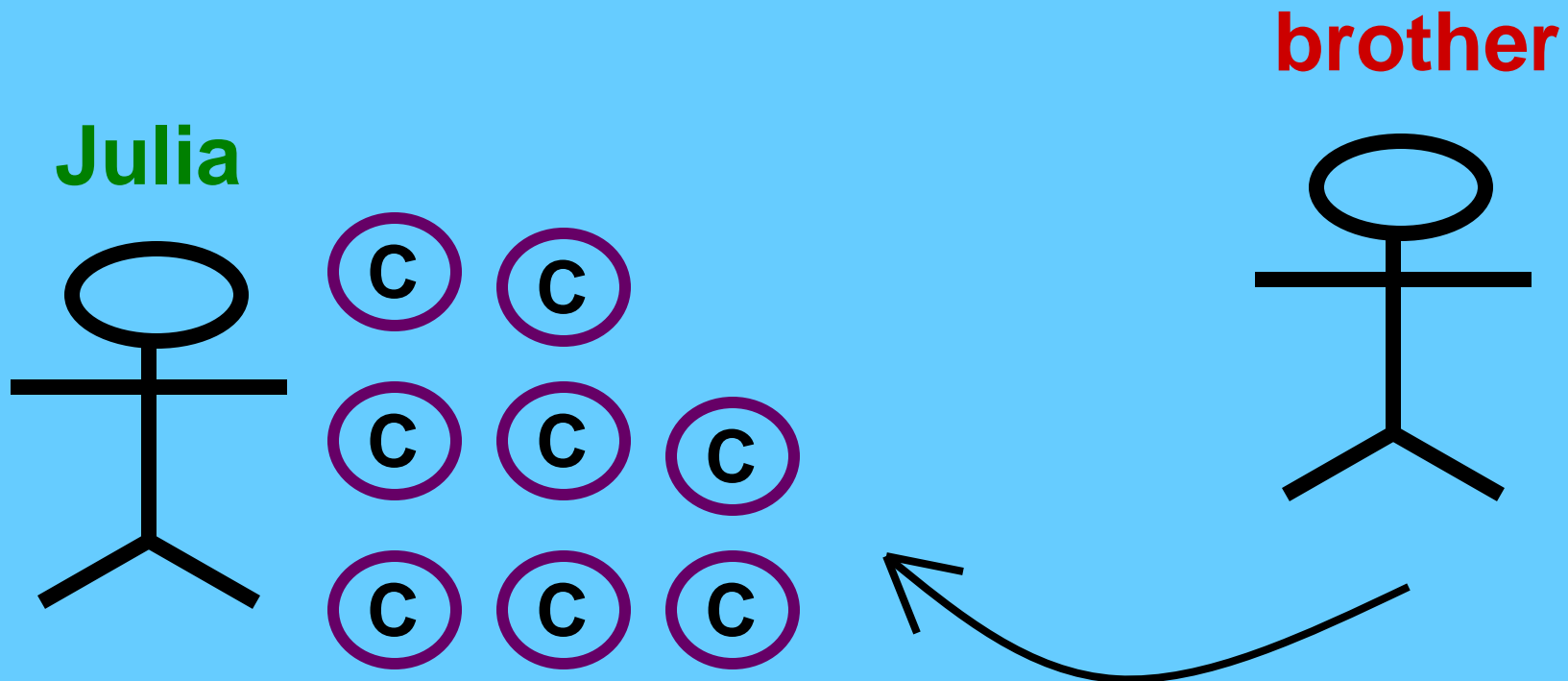
Julia



Julia has ~~5¢~~. Her brother ***gave her 3¢***. How much money does she have in all?

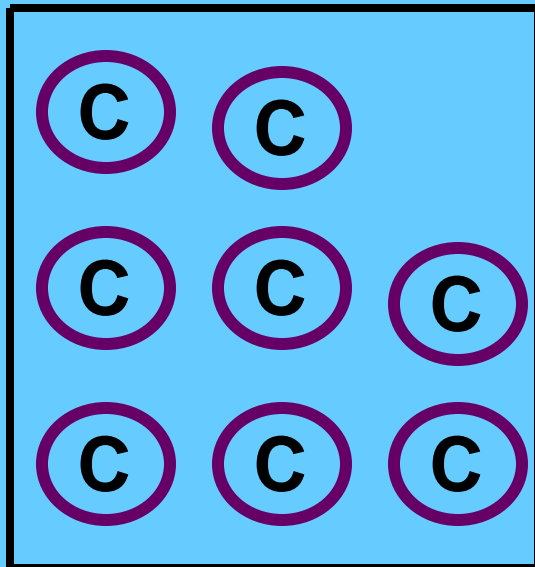
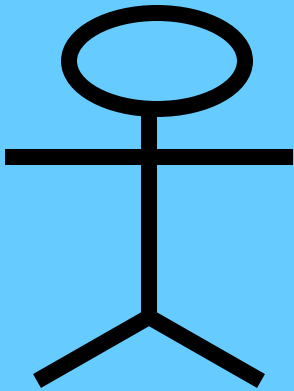


Julia has ~~5¢~~. Her brother *gave her 3¢*. How much money does she have in all?



Julia has 5¢. Her brother gave her 3¢. How much money does she have in all?

Julia



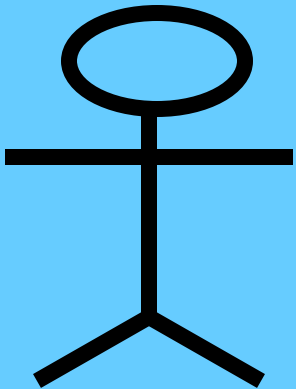
$$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$$

**Julia
has 8
cents
in all.**

**Dallas collected 8 marbles.
Edna collected 6 marbles.
How many more marbles
did Dallas collect than
Edna?**

Dallas collected 8 marbles.
Edna collected 6 marbles.
How many more marbles
did Dallas collect than
Edna?

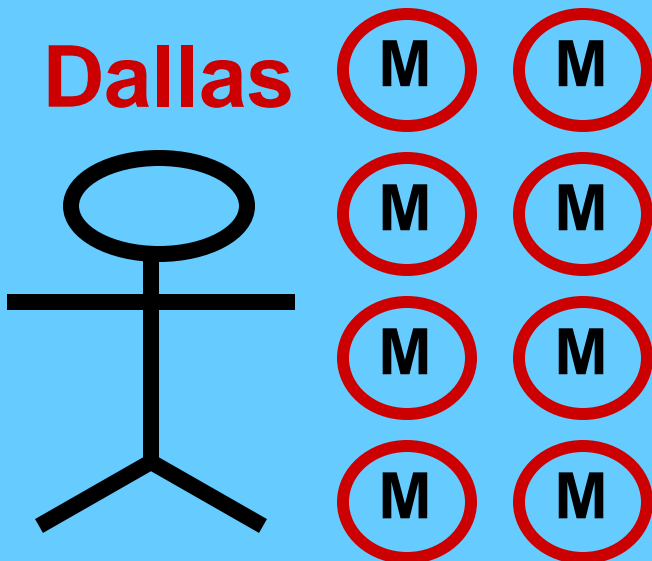
Dallas



Dallas *collected 8 marbles.*

Edna collected 6 marbles.

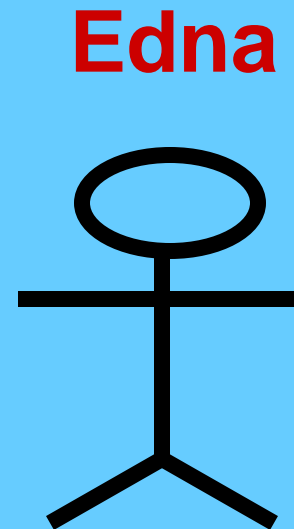
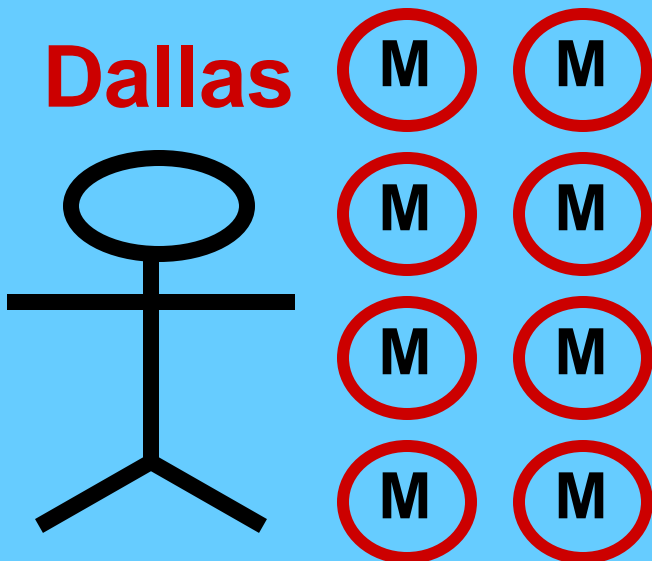
How many more marbles
did Dallas collect than
Edna?



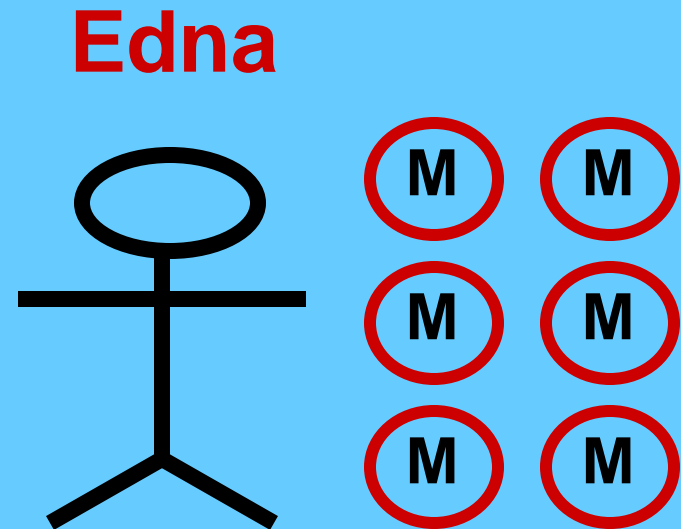
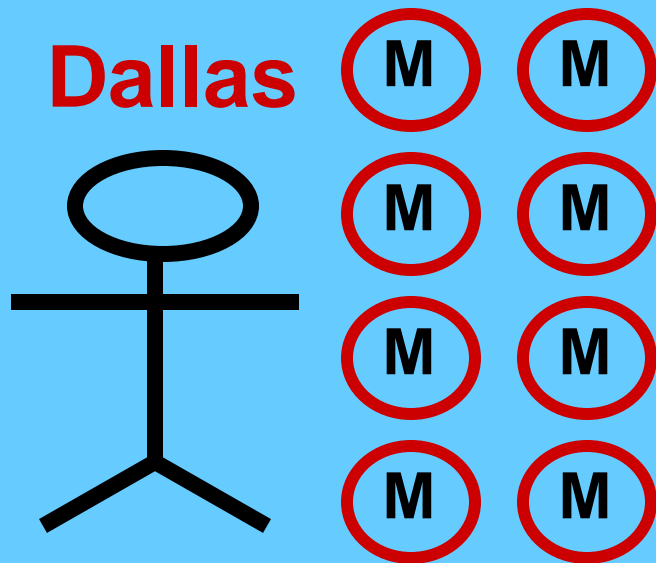
Dallas collected 8 marbles.

Edna collected 6 marbles.

How many more marbles
did Dallas collect than
Edna?



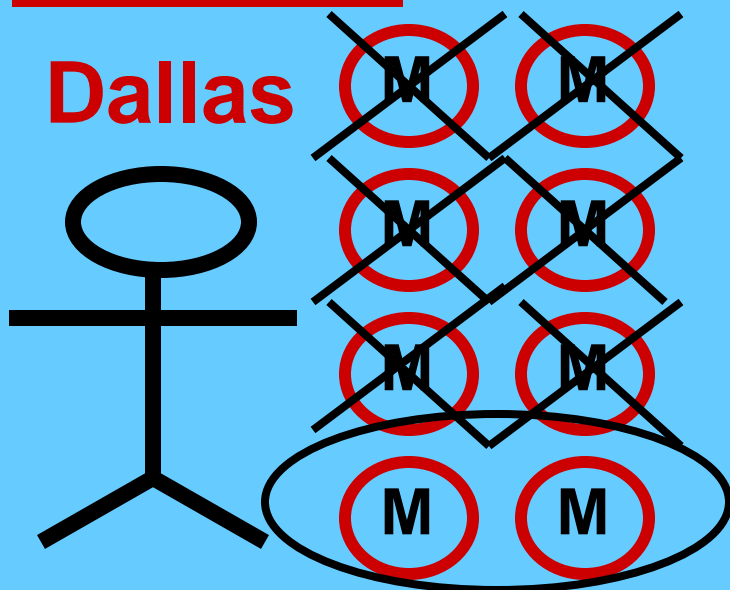
Dallas collected 8 marbles.
Edna collected 6 marbles.
How many more marbles
did Dallas collect than
Edna?



Dallas collected 8 marbles.

Edna collected 6 marbles.

*How many more marbles
did Dallas collect than
Edna?*

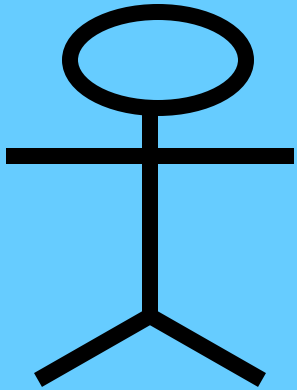


8	<i>Dallas</i>
- 6	<i>collected</i>
-----	<i>2 more</i>
2	<i>marbles</i>
	<i>than</i>
	<i>Edna.</i>

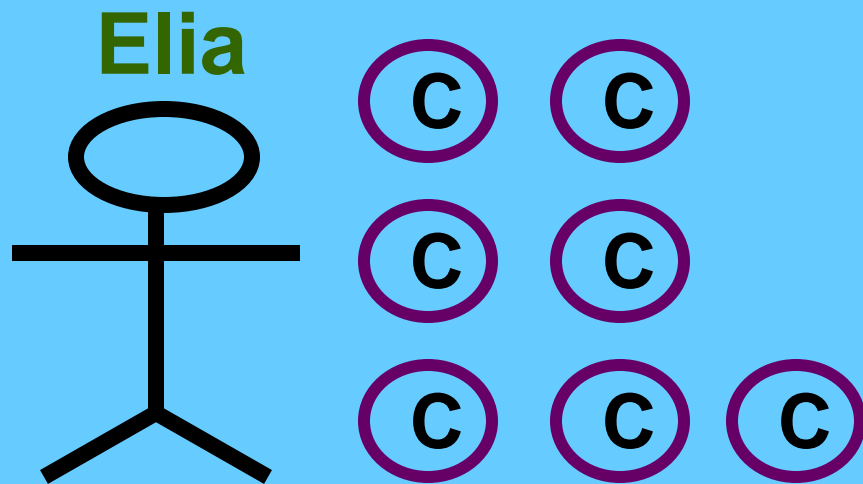
Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?

Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?

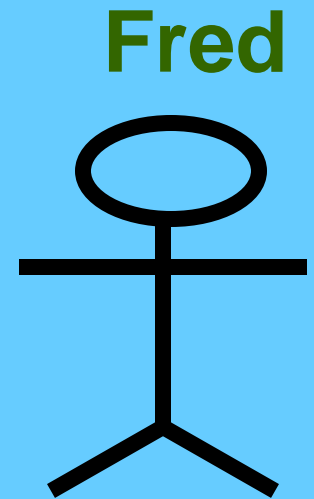
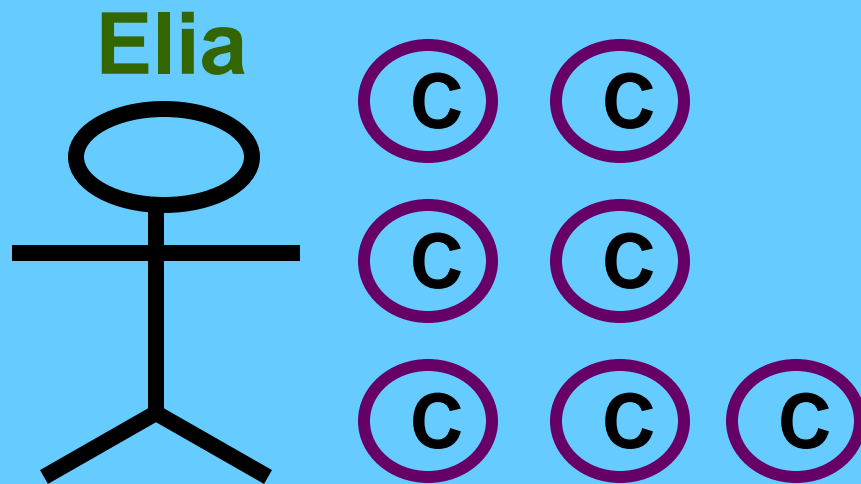
Elia



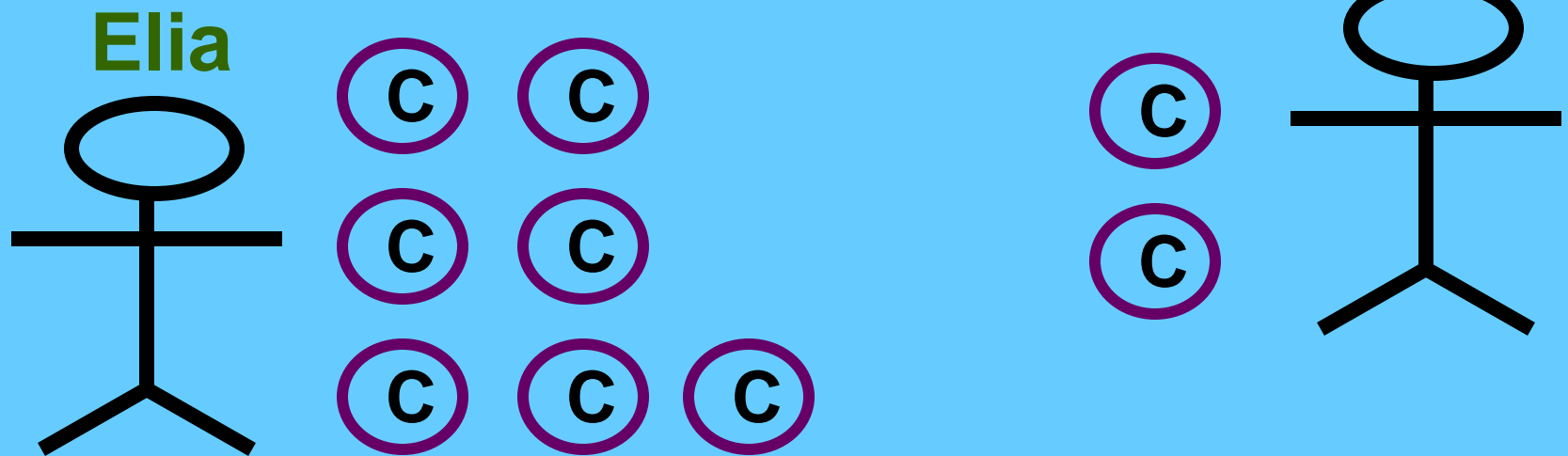
Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?



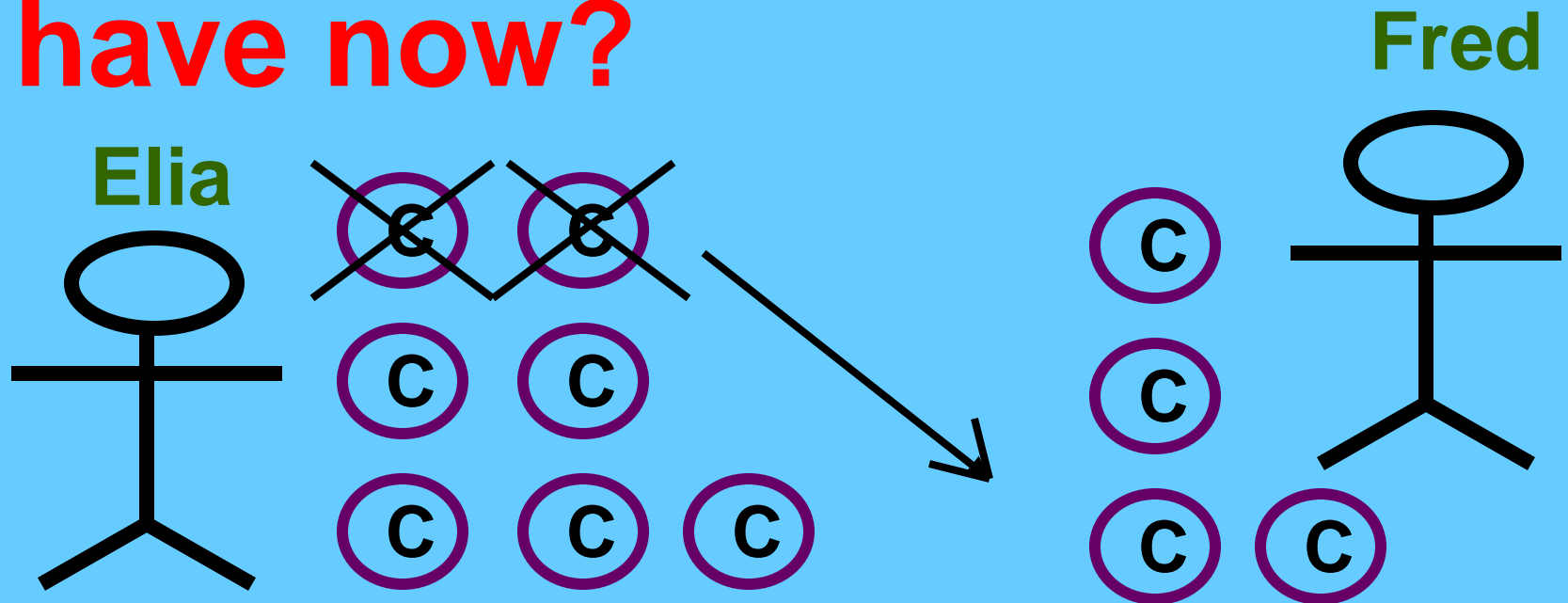
Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?



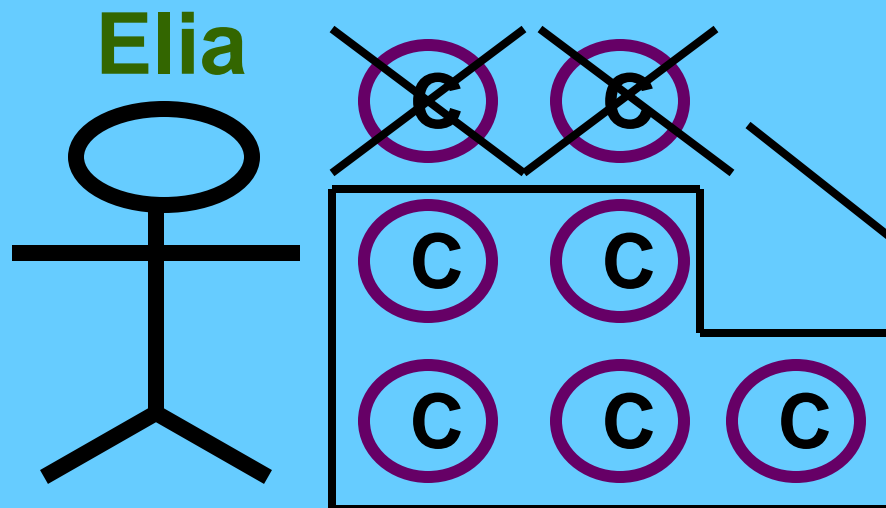
Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?



Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?



Elia baked 7 cookies. Fred baked 2 cookies. Elia gave 2 cookies to Fred. How many cookies does Elia have now?



$$\begin{array}{r} 7 \text{ Elia has} \\ - 2 \text{ 5} \\ \hline \text{--- cookies} \\ 5 \text{ now.} \end{array}$$

Now Let's Solve A More Difficult Problem

- Let's tackle together one of your problems for homework and you walk me through your logic.

The End