15 - 1 Let's Think about Using Diagrams
Using Diagrams (1)

Example I had some oranges. My friend gave me 13 oranges. Now I have 48 oranges altogether. How many oranges did I have at first?

Total number of oranges
(48) oranges

| 35 oranges | (13) oranges |

oranges I had at first

oranges recieved

48 oranges

?

13 oranges

Look at the diagram.
I received 13 oranges, so write "13" in the diagram.
I have 48 oranges altogether, so write "48" in the diagram.
Then think about how you can find the number of oranges I had at first.
$48 - 13 = 35$.

Math Sentence $48 - 13 = 35$

Answer 35 oranges
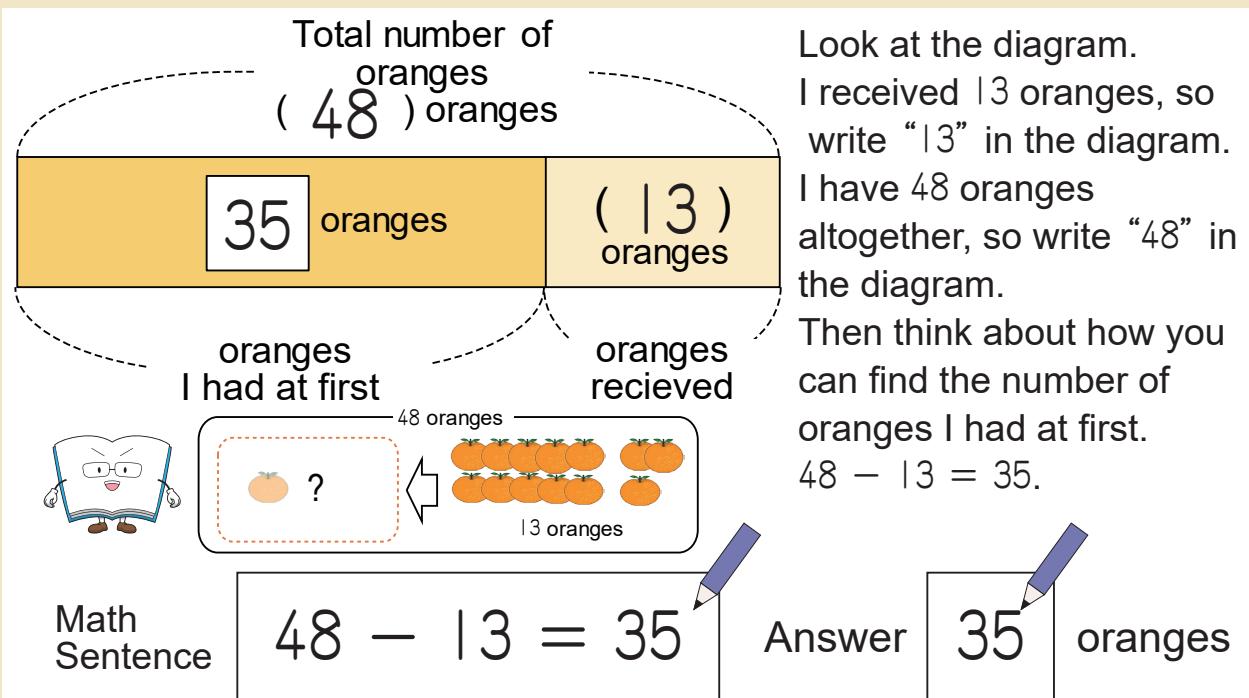
1 My mother had some tomatoes at home. She bought 12 tomatoes at the shop today. Now she has 37 tomatoes. How many tomatoes did she have at first?

Total number of tomatoes
(   ) tomatoes

| tomatoes | (12) tomatoes |

Tomatoes she had at first

Tomatoes she bought

37 tomatoes

?

12 tomatoes

Math Sentence

Answer   tomatoes

158
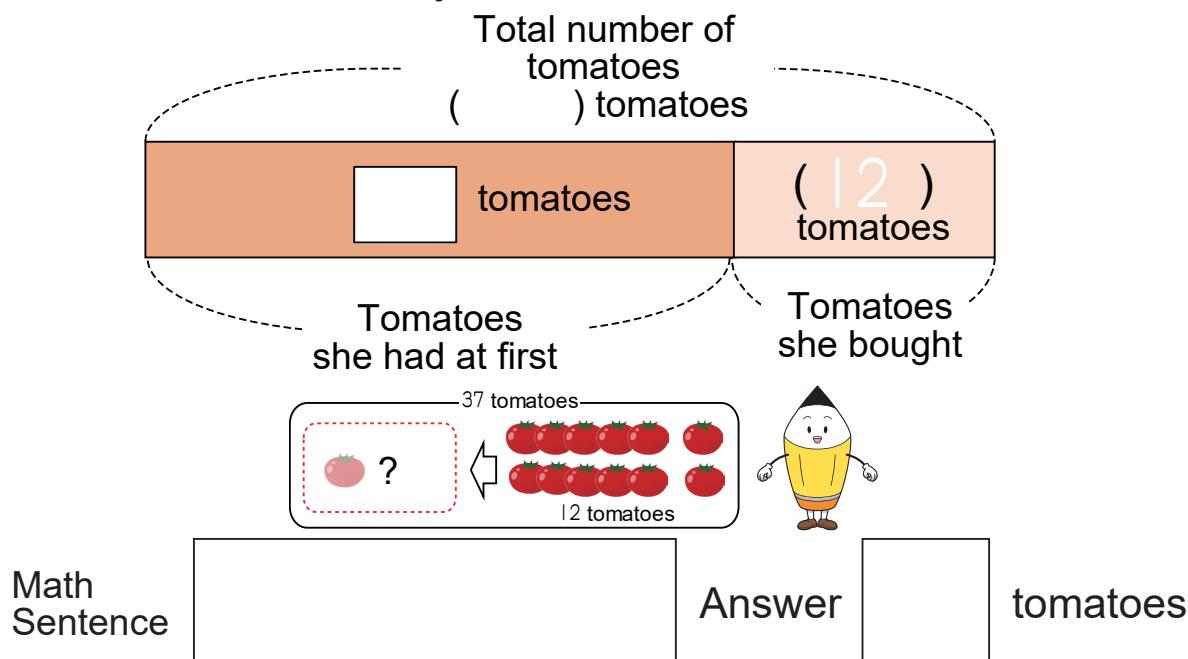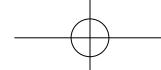
2   We had several notebooks at home. My brothers bought 18 notebooks at the shop. Now we have 27 notebooks. How many notebooks did we have at first?

Total number of
notebooks
(   ) tomatoes

| notebooks | (18) notebooks |

Notebooks
we had at first

Notebooks
my brothers bought

Math
Sentence

Answer [   ] notebooks
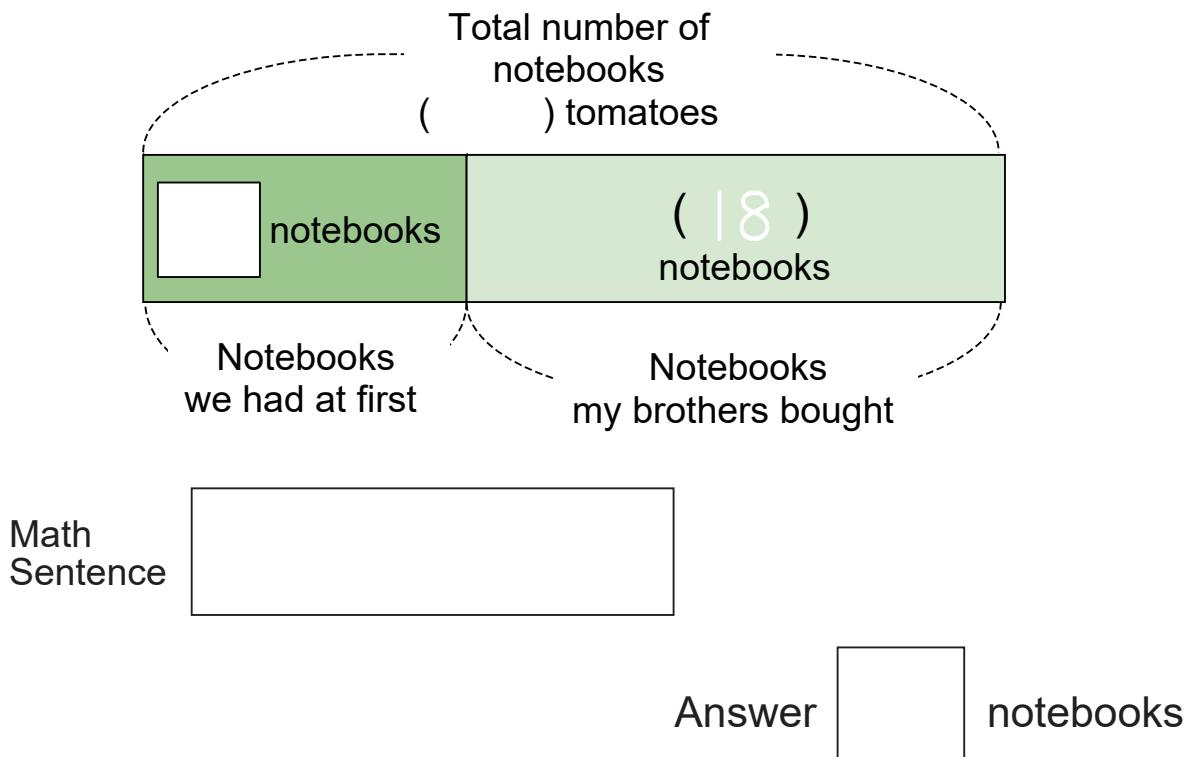
3   There are 60 sheets of red and blue paper altogether. There are 45 sheets of red paper. How many sheets of blue paper are there?

Total number of
sheets of paper
(   ) sheets

| (   ) sheets of red paper | sheets of blue |

Red paper

Blue paper

Math
Sentence

Answer [   ] sheets of blue paper
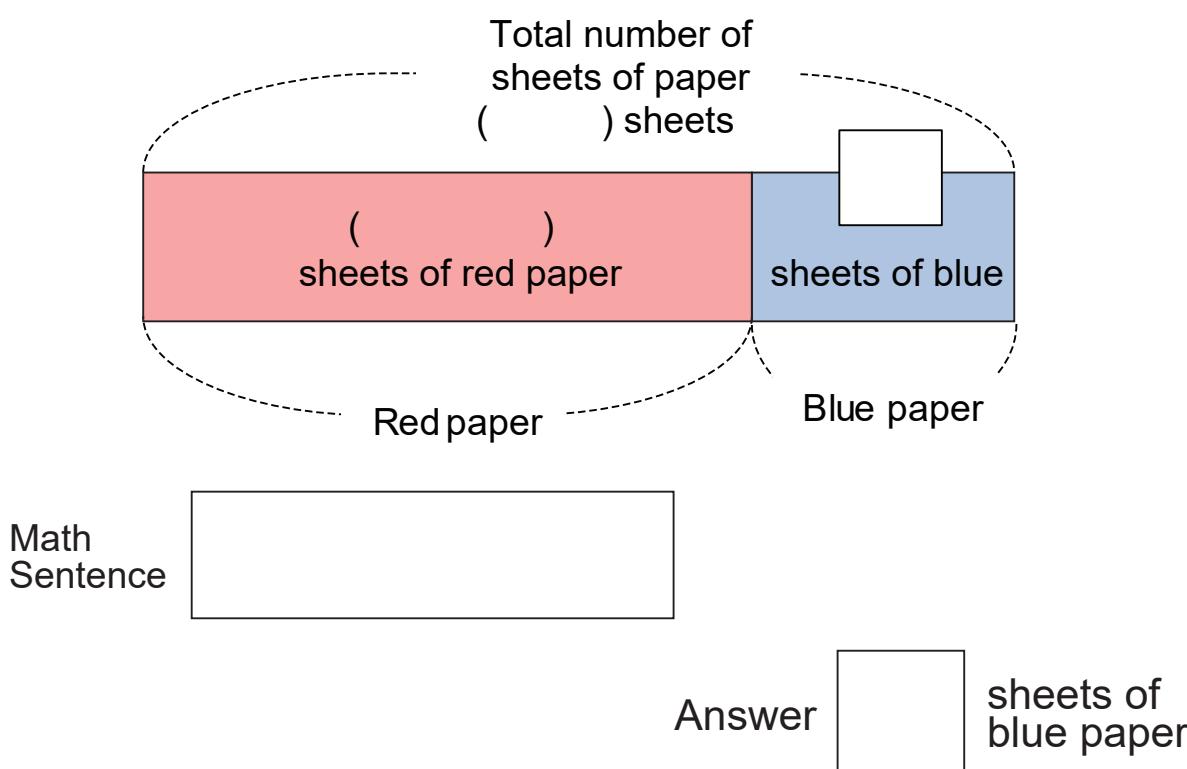
15 - 2 Let's Think about Using Diagrams

Using Diagrams (2)

Example There are some chocolates. My brothers ate 17 chocolates and there are 15 chocolates left. How many chocolates were there at first?

Total number of chocolates

| 32 | chocolates |

| (17)
chocolates | (15)
chocolates |

Chocolates that my brothers ate

Chocolates that is left

Look at the diagram. The number of chocolates that my brothers ate is 17. There are 15 chocolates left. So the total number of chocolates can be found using this math sentence.
17 + 15 = 32
The answer is 32 chocolates.
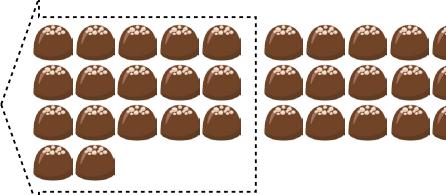
Math Sentence | 17 + 15 = 32 | Answer | 32 | chocolates

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1 We have some cans of juice. We passed out 27 cans to our friends. We have 13 cans left. How many cans of juice did we have at first?

Total number of cans of juice

| | cans |

| (27)
cans of juice | (13)
cans of juice |

Cans of juice we passed out to our friends

Cans of juice that are left

Math Sentence | | Answer | | cans of juice

2 There were several cars parked in the parking area. Twelve cars drove away. There are 29 cars left. How many cars were there in the parking area at first?

Total number of cars that were parked

☐ cars

(12)
cars

(29)
cars

Cars that drove away

Cars that are left in the parking area

Math Sentence ☐

Answer ☐ cars
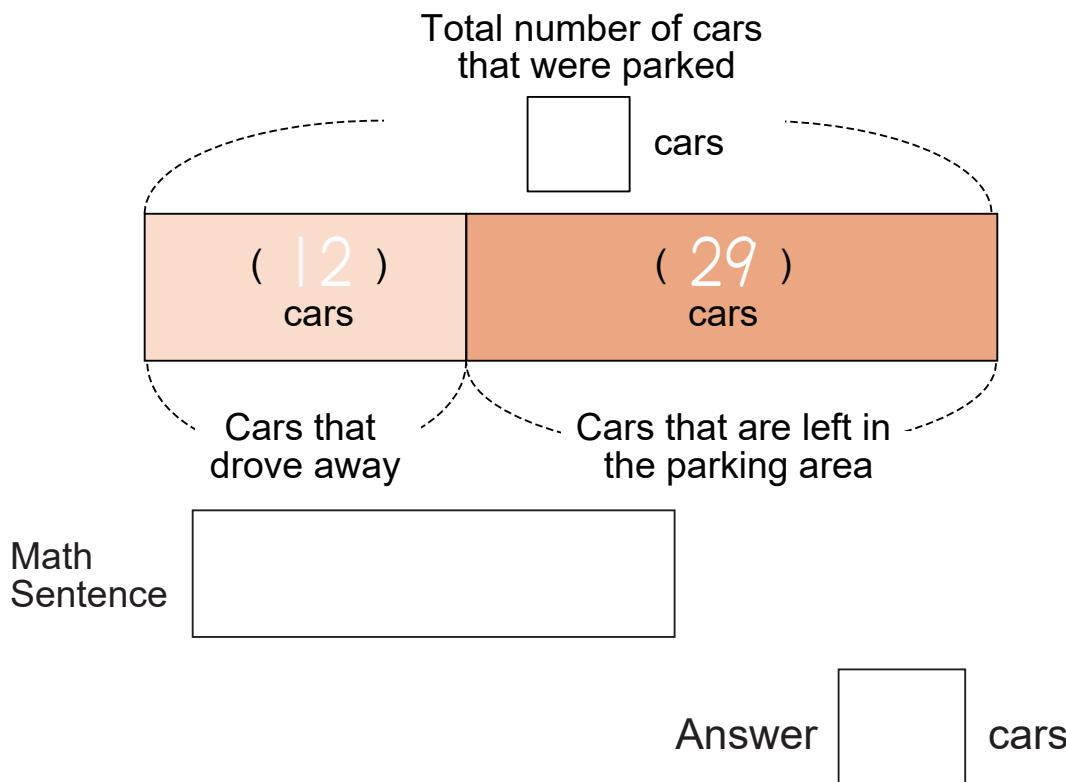
3 I had several stickers at home. I gave 35 stickers to my classmates. I have only 16 stickers left. How many stickers did I have at first? Make your own diagram and find the answer.

Math Sentence ☐

This is a challenging task. Can you solve this?

Answer ☐ stickers

Review

1 There were several children playing in the park. Now 15 children came to the park. There are now 23 children altogether. How many children were there in the park at first?

Total number of children
(   ) children

☐ children	(15) children

Children playing in the park at first

Children who came to the park

23 children

☺ ?

15 children

Math Sentence ☐

Answer ☐ children
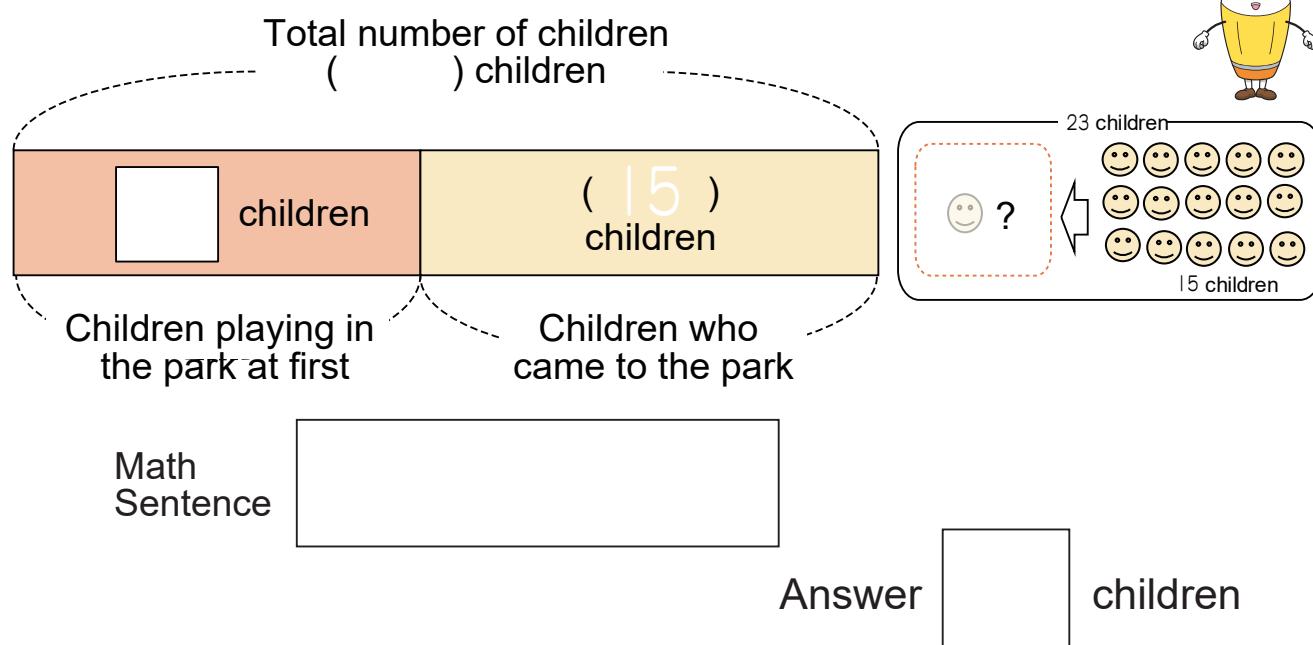
2 There were several children playing in the park. Nine children went home. There are 18 children left. How many children were there at first?

9 children   18 children

Total number of children

☐ children

(9) children	(18) children

children who went home

Children who are still in the park

Math Sentence ☐

Answer ☐ children
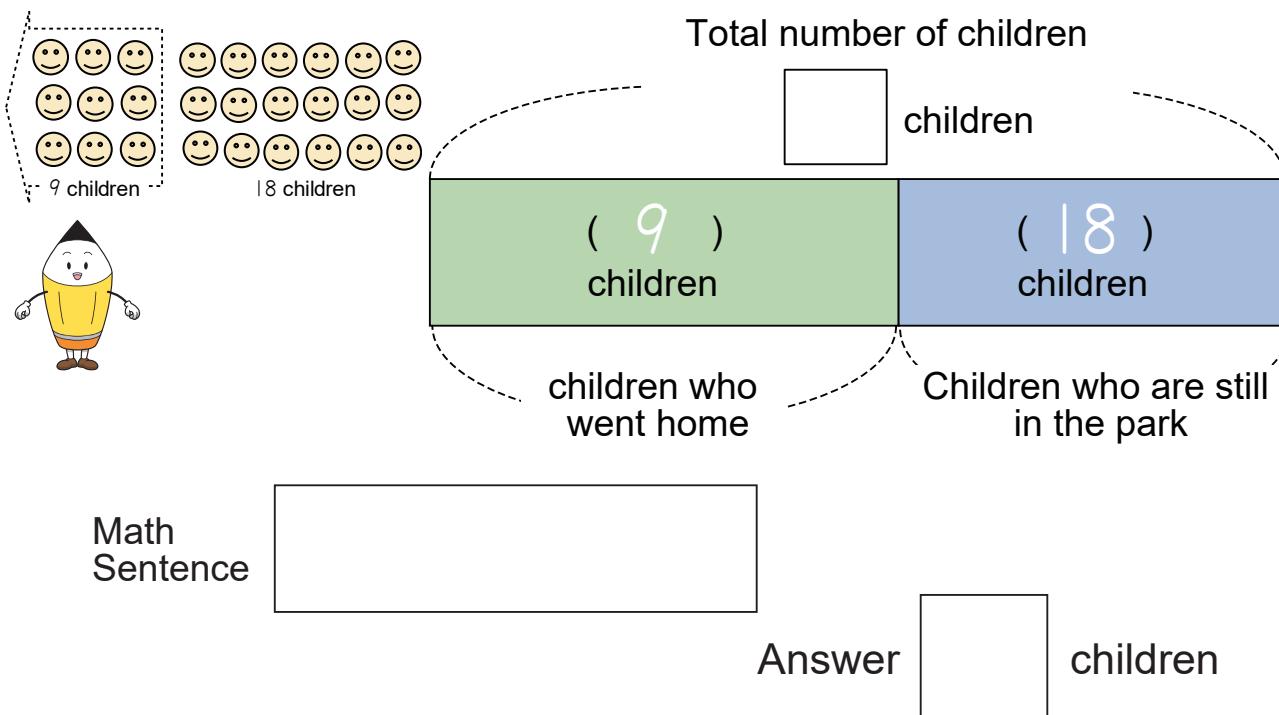
3 There were 24 children playing in the park. Several children went home. There are only 9 children left. How many children went home?

Total number of children
(   ) children

| children | (9) children |

children who went home   children who are still in the park

Math Sentence

Answer [   ] children
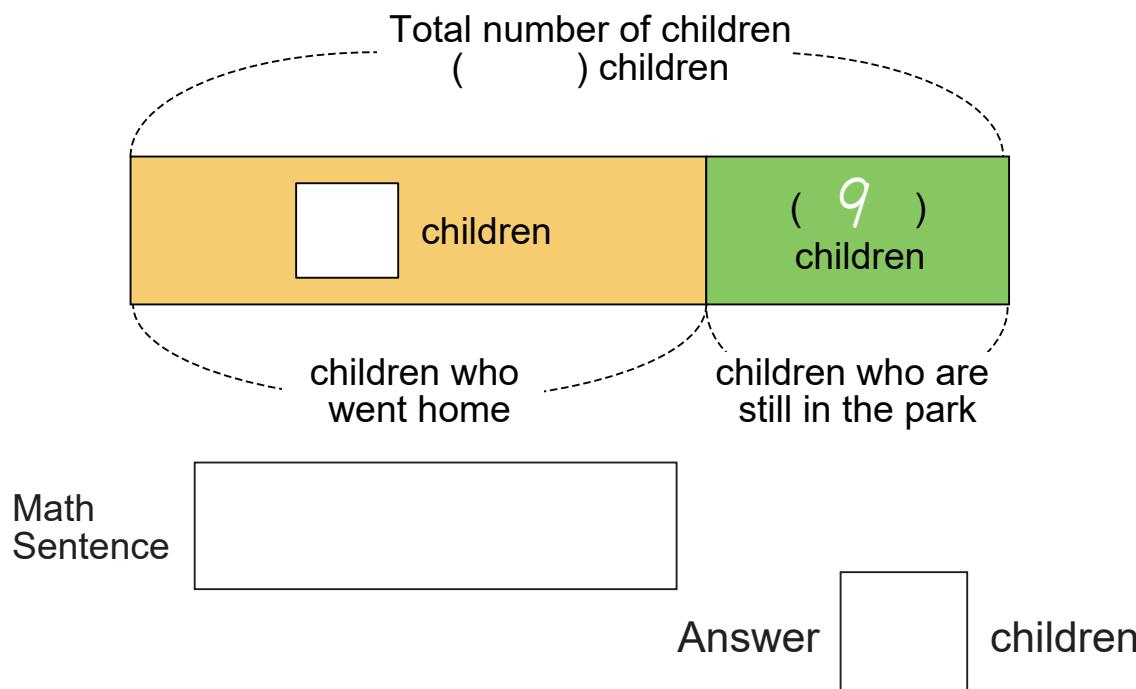
4 There were several people in the restaurant. Fifteen people went home. There are only 7 people left in the restaurant. How many people were in the restaurant at first? Make your own diagram. Make a math sentence and find the answer.

Math Sentence

This is also another challenging task. Can you solve this?

Answer [   ] people