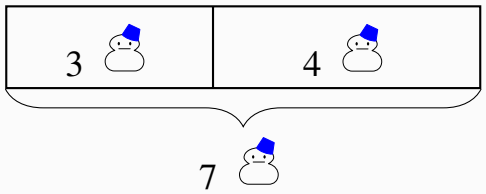
1.23. Word Problems

When answering word problems, do the math first, then give your answer in a sentence.

Example 1: There were 3 ☃ at the front of the house and 4 ☃ at the back of the house. How many ☃ were there in total?

Solution:

$3 ☃ + 4 ☃ = 7 ☃$



There were 7 ☃ in total.

Important to remember

Use the language of math in your answer.

Two 🐧 are playing together and then three more 🐧 join them.

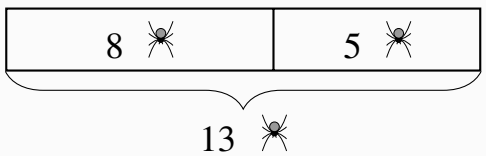
$2 🐧 + 3 🐧$

Write the names of the items you are adding. This way you will not add snowmen ☃ and penguins 🐧 accidentally.

Example 2: Eight spiders played in the forest. Five additional spiders joined them. How many spiders were playing in total?

Solution:

$8 🕷 + 5 🕷 = 13 🕷$

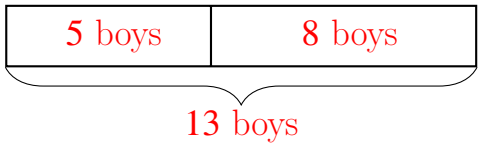


There were 13 spiders in total.

Practice 1: There were 5 boys in the house and 8 boys in the garden. How many boys were there in total?

$5 \text{ boys} + 8 \text{ boys} = 13 \text{ boys}$

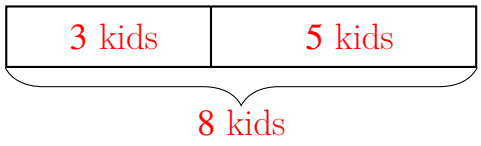
There were 13 boys in total.



Practice 2: Sajo scared 3 little kids yesterday. Sajo scared 5 little kids today. How many kids did he scare in all?

$3 \text{ kids} + 5 \text{ kids} = 8 \text{ kids}$

Sajo scared 8 little kids in total.

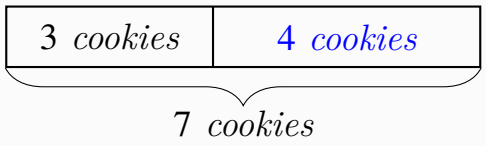


Example 3: David had 7 cookies. He gives 3 cookies to Sasun. How many cookies did David keep?

Solution:

$7 \textit{ cookies} - 3 \textit{ cookies} = 4 \textit{ cookies}$

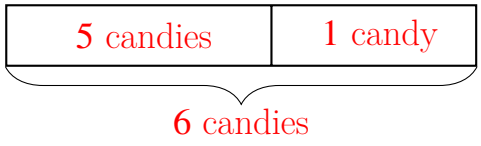
David kept 4 cookies.



Practice 3: Giovanni had 6 candies. He gives 5 candies to his sister Serafina. How many candies does he have now?

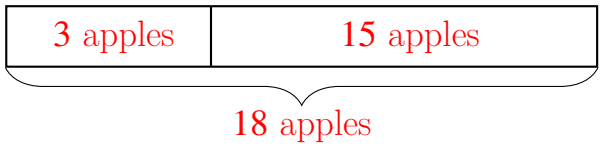
$6 \text{ candies} - 5 \text{ candies} = 1 \text{ candy}$

Giovanni has 1 candy now.



Practice 4: There were 18 apples on the table. Johnny ate 3 of them. How many are left?

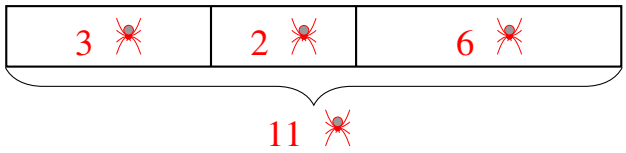
$$18 \text{ apples} - 3 \text{ apples} = 15 \text{ apples}$$



15 apples are left.

Practice 5: Oliver caught 3 spiders in the morning. He caught another 2 in the afternoon and 6 more at the evening. How many spiders did Oliver catch in a day?

$3 + 2 + 6 = 5 + 6 = 11$



Oliver caught 11 spiders in total.

Challenge 1: One apple costs \$2.00. One candy costs \$1.00. What would be the price of 3 apples and 4 candies?

The price of 3 apples is

$$\text{cost of 3 apples} = \$2.00 + \$2.00 + \$2.00 = \$6.00$$

The price of 4 candies is

$$\text{cost of 4 candies} = \$1.00 + \$1.00 + \$1.00 + \$1.00 = \$4.00$$

Together 3 apples and 4 candies cost:

$$\text{cost of 3 apples and 4 candies} = \$6.00 + \$4.00 = \$10.00$$

The total cost of 3 apples and 4 candies is \$10.00.

Some Problems are Made to Confuse You

Sometimes problems include unnecessary information. Read word problems carefully at least three times.

Example 4: There were 4 girls playing basketball. Two more girls and three more boys joined them. How many girls were playing basketball in total?

Solution:

$$4 \text{ } girls + 2 \text{ } girls = 6 \text{ } girls$$

6 girls were playing basketball.

The question tried to trick you by giving the number of boys who joined the basketball game.

Practice 6: Frodo had 4 toys and Gandalf had 5. Gandalf gives 2 toys to Frodo and 1 toy to Sam. How many toys does Frodo have now?

Frodo started with 4 toys, then Gandalf gives him 2 toys.

$$4 \text{ toys} + 2 \text{ toys} = 6 \text{ toys}$$

Frodo has 6 toys.

Practice 7: Olivia, Alexis and Layla were playing hockey. Olivia scored three goals in the first period. Each girl scored two more goals in the second period and one more in the last period. How many goals did Layla score in the game?

This question is asking for the number of goals that only Layla scored.

$$2 \text{ goals} + 1 \text{ goal} = 3 \text{ goals}$$

Layla scored 3 goals in the game.