1st Grade Mission 6 Notes

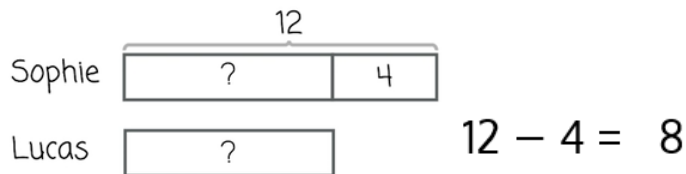For word problems, be sure to use the **RDW strategy**.

Read the problem and underline what's important.

Sophie found 12 ladybugs.
Lucas found 4 fewer
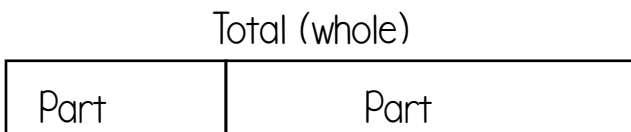ladybugs than Sophie.
How many ladybugs did
Lucas find?

Draw a model to represent the problem using a letter to represent the unknown. Solve for the unknown answer.
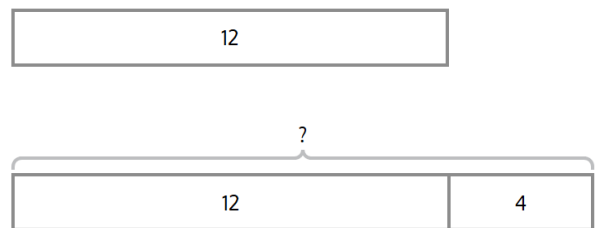
12

Sophie | ? | 4

Lucas | ?

$$12 - 4 = 8$$

Write your answer in a complete sentence.

Lucas found <u>8</u> ladybugs.

Tape Diagram

Total (whole)

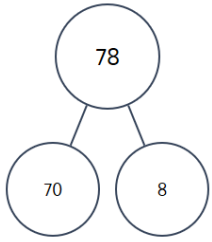| Part	Part

Tape Diagram to show Comparison

12

?

12	4

When you have the 2 parts, you **ADD** to find the total.

When you have the total and 1 part, you **SUBTRACT** to find the missing part.

total
join
both
increase
all together
Addition
combined
sum
plus
in all
add

how many more
remain
decrease
-er words, such as fewer, shorter, farther...
minus
Subtraction
left
subtract
less than
difference
take away

The number is 78 is made up of two numbers: 70 and 8.

78

70   8

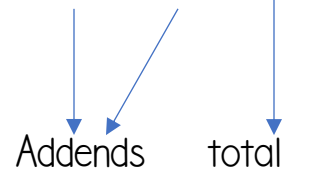| tens	ones
7	8

7 tens and 8 ones make 78.

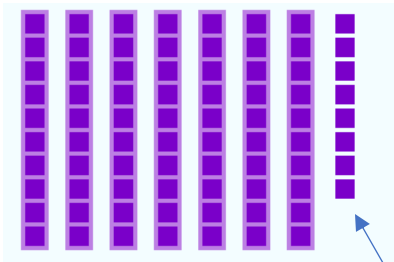70 more than 8 is 78.

8 more than 70 is 78.

$$70 + 8 = 78$$
$$8 + 70 = 78$$

Addends   total

$$78 = 70 + 8$$
$$78 = 8 + 70$$

7 Tens   8 ones

Place Value Chart

I more than 78 is 79.

tens	ones
7	8

+1 →

tens	ones
7	9

I less than 78 is 77.

tens	ones
7	8

−1 →

tens	ones
7	7

10 more than 78 is 88.

tens	ones
7	8

+10 →

tens	ones
8	8

10 less than 78 is 68.

tens	ones
7	8

−10 →

tens	ones
6	8

Big Numbers
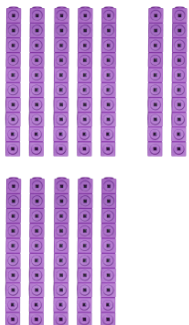
tens	ones
12	0

120
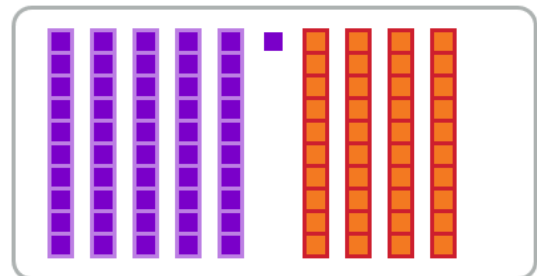
$$51 + 40 = 91$$

Add Tens First Strategy

62 + 30

2   60 ← Break apart 62 into **tens** and **ones**

60 + 30 = 90 ← Add the **tens**

90 + 2 = 92 ← Add the **tens** total with the **ones**
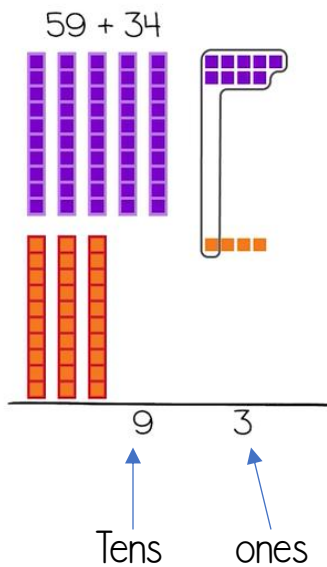

Make the Next Ten Strategy

66 + 34 = 100   Break down into **tens** and **ones** (How many ones do I need to get to the next ten)
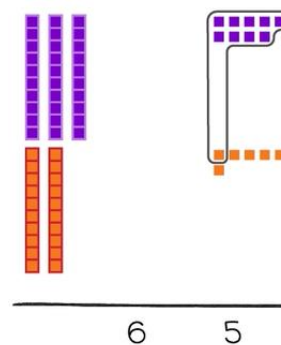
4   30

Add to get to the **next ten**

66 + 4 = 70

Add the **two tens** together

70 + 30 = 100

59 + 34

When you have **more than 10 ones, group ten** of them to make a 10, and **count** them as a 10.

9   3

Tens   **ones**

Vertical Addition

39 + 26

tens	ones
3	9
+ 2	6
6	5

6   5

COIN	VALUE	PICTURE
Penny	1 cent (1¢)	
Nickel	5 cents (5 ¢)	
Dime	10 cents (10 ¢)	
Quarter	25 cents (25 ¢)	

5 pennies = 1 nickel

2 nickels = 1 dime

10 pennies = 1 dime

5 nickels = 1 quarter

25 pennies = 1 quarter

When counting **nickels**, we count by **5's**.

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100

When counting **dimes**, we count by **10's**.

10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Solving Comparing word problems with Tape Diagrams

Fewer= less than (least)

More= greater than (most)

1. Maya went down the slide 15 times. She went down 3 more times than Braydon.

How many times did Braydon go down the slide?

B ___ ? = 12

15

M ___ ? = 12 3

12 + 3 = 15

15 - 3 = 12

Braydon went down the slide __12__ times.

Sophie listened to 13 songs on the radio. Sophie listened to 4 fewer songs than Lucas.

How many songs did Lucas listen to?

Sophie 13

17

Lucas 13 4

13 + 4 = 17

Lucas listened to 17 songs.