

## 2.4.1

### Application Problem (10 minutes)

In the morning, Jacob found 23 seashells on the beach. In the afternoon, he found 10 more. In the evening, he found 1 more. How many seashells did Jacob find in all? If he gives 10 to his brother, how many seashells will Jacob have left?

$$\begin{array}{|c|c|c|} \hline ? & & \\ \hline 23 & 10 & 1 \\ \hline \end{array} \quad \begin{array}{l} 23+10=33 \\ 33+1=34 \\ \text{Jacob found 34} \\ \text{seashells in all.} \end{array}$$

morning aft eve

$$\begin{array}{|c|c|} \hline 34 & \\ \hline \end{array} \quad \begin{array}{l} 34-10=24 \\ \text{Jacob had 24} \\ \text{seashells left.} \end{array}$$

## 2.4.2

### Application Problem (8 minutes)

Susan has 57 cents in her piggy bank. If she just put in 30 cents today, how much did she have yesterday?

$$\begin{array}{|c|c|} \hline 57 \text{ cents} & \\ \hline ? & 30 \text{ cents} \\ \hline \end{array}$$
$$\square + 30 = 57$$
$$57 - 30$$
$$\begin{array}{r} 57 \\ - 30 \\ \hline 27 \end{array}$$

She had 27 cents yesterday.

## 2.4.3

### Application Problem (8 minutes)

Terrell puts 19 stamps in his book on Monday. He puts in 32 stamps on Tuesday. How many stamps does Terrell put in his book?

If Terrell's book holds 90 stamps, how many more stamps does he need to fill his book?

$$a) 19 + 32 =$$
$$\begin{array}{r} 19 \\ + 32 \\ \hline 51 \end{array}$$
$$19 + 32 = 51$$
$$b) 90 - 51 =$$
$$\begin{array}{r} 90 \\ - 51 \\ \hline 39 \end{array}$$
$$90 - 51 = 39$$

## 2.4.4

### Application Problem (8 minutes)

Carlos bought 61 t-shirts. He gave 29 of them to his friends. How many t-shirts does Carlos have left?

$$\begin{array}{|c|} \hline 61 \\ \hline \end{array} \quad \begin{array}{|c|} \hline 29 \\ \hline \end{array}$$
$$61 - 29 = 32$$

Carlos has 32 t-shirts left.

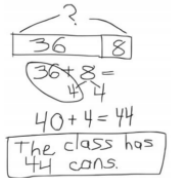
## 2.4.5

No application problem

## 2.4.6

### Application Problem (3 minutes)

Mr. Wally's class collects 36 cans for the recycling program. Then Azniv brings in 8 more cans. How many cans does the class have now?

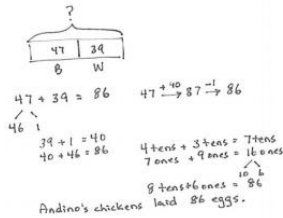

$$36 + 8 = 44$$

The class has 44 cans.

## 2.4.7

### Application Problem (8 minutes)

Farmer Andino's chickens laid 47 brown eggs and 39 white eggs. How many eggs did the chickens lay in all?

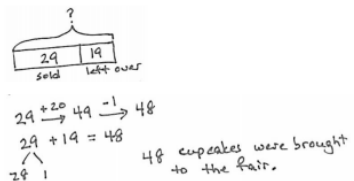

$$47 + 39 = 86$$

Andino's chickens laid 86 eggs.

## 2.4.8

### Application Problem (6 minutes)

At the school fair, 29 cupcakes were sold and 19 were left over. How many cupcakes were brought to the fair?


$$29 + 19 = 48$$

48 cupcakes were brought to the fair.

## 2.4.9

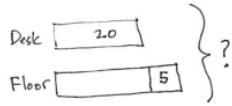
### Application Problem (6 minutes)

Marla spilled a box of paper clips. They landed on her desk and on the floor. 20 of them landed on her desk, and 5 more fell on the floor than landed on her desk. How many paper clips did she spill?

## 2.4.10

### Application Problem (6 minutes)

Moses sold 24 raffle tickets on Monday and 4 fewer on Tuesday. How many tickets did he sell in all on both days?



$$\begin{array}{r} 20 + 5 = 25 \\ 25 + 20 \rightarrow 45 \end{array}$$

Maria spilled 45 paper clips.

## 2.4.11

### Application Problem (6 minutes)

Shelby picks 35 oranges. 5 are rotten. How many of Shelby's oranges are not rotten?

Rosa picks 35 oranges, too, but 6 are rotten. How many of Rosa's oranges are not rotten?

Shelby's:  
 $35 - 5 = 30$  oranges

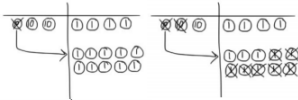
Rosa's:  
 $35 - 6 = 29$  oranges

$$35 - 5 \rightarrow 30 \rightarrow 29$$

## 2.4.12

### Application Problem (5 minutes)

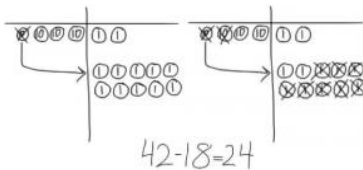
Barb has a bag of 34 cherries. She eats 17 cherries for a snack. How many cherries does she have left?



## 2.4.13

### Application Problem (6 minutes)

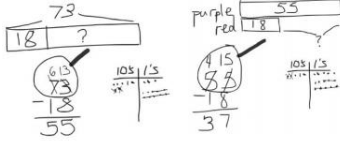
Mrs. Beachy went shopping with \$42. She spent \$18. How much money did she have left?



## 2.4.14

### Application Problem (5 minutes)

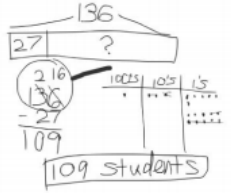
The total length of a red string and a purple string is 73 cm. The red string is 18 cm long. How long is the purple string?



## 2.4.15

### Application Problem (7 minutes)

There are 136 students in the second grade at Miles Davis Elementary. 27 of them brought sack lunches to school. The rest buy the hot lunch. How many students are buying a hot lunch?



## 2.4.16

No application problem

## 2.4.17

### Application Problem (8 minutes)

Erasers come in boxes of 10. Victor has 14 boxes. Gabby has 5 boxes.

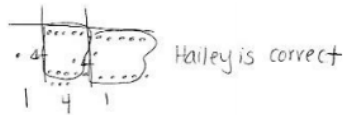
- How many erasers does Victor have?
- How many erasers does Gabby have?
- If Gabby gets another box, how many erasers do they have in all?

ten 10's  $\rightarrow$  100      for tens  $\rightarrow$  40  
 140  
 5 10's  $\rightarrow$  50  
 190 + 10 = 200

## 2.4.18

### Application Problem (8 minutes)

Hailey and Gio solve  $56 + 85$ . Gio says the answer is 131. Hailey says the answer is 141. Explain whose answer is correct using numbers, pictures, or words.



## 2.4.19

### Application Problem (8 minutes)

There are 35 note cards in one box. The other box holds 67 cards. How many cards are there in all?

$$\begin{array}{r} 35 \\ +67 \\ \hline 102 \end{array}$$

There are 102 cards in all.

## 2.4.20

### Application Problem (6 minutes)

Kendra and Jojo are counting their marbles. Kendra has 38 and Jojo has 62. Kendra says they have 100 marbles altogether, but Jojo says they have 90. Use words, numbers, or a model to prove who is correct.

$$\begin{array}{r} 38 + 62 \\ \hline 100 \end{array}$$

Kendra is right

## 2.4.21

### Application Problem (6 minutes)

Katrina has 23 stickers and Jennifer has 9. How many more stickers does Jennifer need to have as many as Katrina?

$$\begin{array}{r} 23 \\ -9 \\ \hline 14 \end{array}$$

## 2.4.22

### Application Problem (9 minutes)

There are 38 apples, 16 bananas, 24 peaches, and 12 pears in the fruit basket. How many pieces of fruit are in the basket?

$$\begin{array}{r} 16 + 24 \\ \hline 40 \end{array}$$
$$\begin{array}{r} 38 + 12 \\ \hline 50 \end{array}$$
$$40 + 50 = 90$$

## 2.4.23

### Application Problem (7 minutes)

Yossef downloaded 115 songs. 100 of them were rock. The rest were hip-hop.

- How many of Yossef's songs were hip-hop?
- 80 of his rock songs were oldies. How many rock songs were new?

This Application Problem serves to anticipate the day's Concept Development.

$$\begin{array}{r} \text{a. } 115 \\ - 100 \\ \hline 15 \end{array} \quad \begin{array}{r} \text{b. } 100 \\ - 80 \\ \hline 20 \end{array}$$

## 2.4.24

### Application Problem (6 minutes)

Sammy bought 114 notecards. He used 70 of them. How many notecards did he have left?

$$\begin{array}{r} 114 - 70 \\ \hline 44 \end{array}$$

100 14     100 - 70 = 30  
30 + 14 = 44

## 2.4.25

### Application Problem (6 minutes)

114 people went to the fair. 89 of them went in the evening. How many went during the day?

$$114 - 89 = 25$$

## 2.4.26

### Application Problem (6 minutes)

Chloe needs 153 beads to make a bag. She only has 49. How many more beads does she need?

$$\begin{array}{r} 153 \\ - 49 \\ \hline 104 \end{array}$$

## 2.4.27

### Application Problem (5 minutes)

Mr. Ramos has 139 pencils and 88 erasers. How many more pencils than erasers does he have?

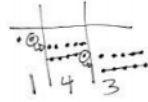
$$\begin{array}{r} 139 \\ - 88 \\ \hline 51 \end{array}$$

## 2.4.28

### Application Problem (7 minutes)

Jerry made 200 pizzas. He sold some of them and had 57 pizzas left. How many did he sell?

$$\begin{array}{r} 190 \\ 200 \\ - 57 \\ \hline 143 \end{array}$$



## 2.4.29

### Application Problem (6 minutes)

Kathy read 15 fewer pages than Lucy. Lucy read 51 pages. How many pages did Kathy read?

$$\begin{array}{|c|c|} \hline 51 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 15 \\ \hline \end{array}$$

$$50 - 14$$

$$50 \rightarrow 40 \rightarrow 36$$

Kathy read 36 pages.

## 2.4.31

### Application Problem (6 minutes)

Eli spent 87 cents for a notebook and 38 cents for a pencil. How much money did he spend in all?

$$\begin{array}{r} 87 \\ + 38 \\ \hline 125 \end{array}$$

## 2.4.31

No application problem