



# Answer Key • Lesson 6: Workshop: Place Value

Copyright © Kendall Hunt Publishing Company

Name \_\_\_\_\_ Date \_\_\_\_\_

Use base-ten shorthand to show three different ways Maya and Nikia can package the number of Chocos in each row. Write a number sentence for each way. If a number sentence is given, sketch the base-ten pieces needed to match the partitions.

Number	Fewest Pieces	Second Way	Third Way
232	Number Sentence: $200 + 30 + 2 = 232$	Number Sentence:	Number Sentence: $30 + 20 = 50$
95	Number Sentence:	Number Sentence:	Number Sentence: $30 + 26 = 56$

Workshop: Place Value      SAB • Grade 3 • Unit 4 • Lesson 6 127

- Fewest Pieces: 2 flats, 3 skinnies, and 2 bits;  $200 + 30 + 2$ . Another possible way: 1 flat, 13 skinnies, and 2 bits;  $100 + 130 + 2 = 232$ .
- Fewest Pieces: 5 skinnies and 6 bits;  $50 + 6 = 56$ . Another possible way: 4 skinnies, 16 bits;  $40 + 16$ .  
To match  $30 + 26 = 56$  sketch 3 skinnies, 26 bits.
- Fewest Pieces: 1 pack, 4 flats, 3 skinnies, and 5 bits;  $1000 + 400 + 30 + 5 = 1435$ .  
To match  $1400 + 30 + 5 = 1435$ , sketch 14 flats, 3 skinnies, 5 bits.  
Another possible way: 1 pack, 3 flats, 13 skinnies, and 5 bits;  $1000 + 300 + 130 + 5 = 1435$ .
2067. Fewest Pieces: 2 packs, 6 skinnies, and 7 bits;  $2000 + 60 + 7 = 2067$ . Another possible way: 1 pack, 8 flats, 26 skinnies, and 7 bits;  $1000 + 800 + 260 + 7 = 2067$ .  
To match  $1000 + 900 + 160 + 7 = 2067$ , sketch 1 pack, 9 flats, 16 skinnies, and 7 bits.

## Student Activity Book - Page 127

Copyright © Kendall Hunt Publishing Company

Name \_\_\_\_\_ Date \_\_\_\_\_

Use base-ten shorthand to show three different ways Maya and Nikia can package the number of Chocos in each row. Write a number sentence for each way. If a number sentence is given, sketch the base-ten pieces needed to match the partitions.

Number	Fewest Pieces	Second Way	Third Way
1435	Number Sentence:	Number Sentence: $1400 + 30 + 5 = 1435$	Number Sentence:
2067	Number Sentence:	Number Sentence:	Number Sentence: $1000 + 900 + 160 + 7 = 2067$

128 SAB • Grade 3 • Unit 4 • Lesson 6      Workshop: Place Value

## Student Activity Book - Page 128

Student Activity Book

Compare the Number of Chocos (SAB pp. 129–132)

Questions 1–9

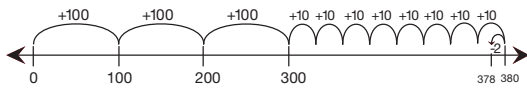
1. A. Maya:  $200 + 180 = 380$

Tom:  $300 + 70 + 8 = 378$

B. Maya. Possible response: 380 is two more than 378.

C. Possible response: Tom used the fewest pieces because there are no more trades possible.

D. Possible response:



2. A. Nikia:  $100 + 50 + 18 = 168$

Maruta:  $300 + 80 = 380$

B.  $100 + 50 + 18 < 300 + 80$ , or  $168 < 380$

3. A.  $<$

B.  $=$

C.  $>$

D.  $<$

Copyright © Kendall Hunt Publishing Company

Name \_\_\_\_\_ Date \_\_\_\_\_

Compare the Number of Chocos

★ 1. A. Maya and Tom packaged Chocos. How many Chocos did each person package?

Maya's count \_\_\_\_\_ Tom's count \_\_\_\_\_

Maya	Tom
Number sentence _____	Number sentence _____

B. Who packaged more?  
Show or tell how you know.

C. Which worker showed his or her count using the Fewest Pieces Rule, Maya or Tom? Show or tell how you know.

D. Tom started to show the number of Chocos he counted on a number line. Help Tom finish.



Workshop: Place Value

SAB • Grade 3 • Unit 4 • Lesson 6 129

Student Activity Book - Page 129

Name \_\_\_\_\_ Date \_\_\_\_\_

★ 2. A. Nikia and Maruta packaged Chocos. How many Chocos did each person package?

Nikia's count \_\_\_\_\_ Maruta's count \_\_\_\_\_

Nikia	Maruta
Number sentence _____	Number sentence _____

B. Write a true number sentence that compares Nikia's count to Maruta's count using  $<$  or  $>$ .

★ 3. Nikia and Maruta both like to write number sentences to show how they package Chocos. Use  $<$ ,  $>$ , or  $=$  to make the number sentences true.

	Nikia		Maruta
A.	$30 + 4$	<input type="radio"/>	$10 + 10 + 10 + 14$
B.	$200 + 100 + 70 + 1$	<input type="radio"/>	$300 + 70 + 1$
C.	$100 + 60 + 17$	<input type="radio"/>	$100 + 50 + 6$
D.	$900 + 8$	<input type="radio"/>	$1000 + 8$

130 SAB • Grade 3 • Unit 4 • Lesson 6

Workshop: Place Value

Student Activity Book - Page 130

# Answer Key • Lesson 6: Workshop: Place Value

Name \_\_\_\_\_ Date \_\_\_\_\_

- ★●4. Use base-ten shorthand to show how Nikia and Maruta packaged the Chocos in Question 3C.

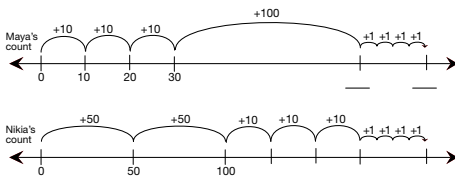
Nikia	Maruta

- ★●5. How many more Chocos did Nikia package than Maruta in Question 3C? Show or tell how you solved it. You may use the number line or solve it another way.



- 6. A. Maya and Nikia used number lines to show how many Chocos they packaged. Fill in the blanks below the number lines to show the hops.

Copyright © Kendall Hunt Publishing Company



B. Who counted more? \_\_\_\_\_

Workshop: Place Value SAB • Grade 3 • Unit 4 • Lesson 6 131

## Student Activity Book - Page 131

Name \_\_\_\_\_ Date \_\_\_\_\_

Solve the following problems using the table.

Name	Chocos Packaged
Eric	33
Maya	61
Tom	107
Maruta	89

- 7. How many more Chocos did Maruta package than Maya? Show how to use the number line to solve this problem. Write a number sentence.



Number sentence: \_\_\_\_\_

- 8. Tom thinks he has packaged more Chocos than Eric and Maya put together. Is he right? Show or tell how you know.

- 9. Eric, Maya, Tom, and Maruta decided to put all the Chocos together. Use base-ten shorthand to show the number of Chocos they have altogether. Write a number sentence to show the total number of Chocos.

Number sentence: \_\_\_\_\_

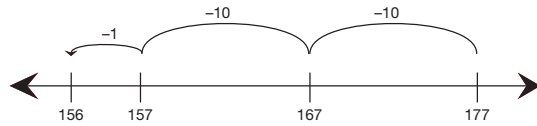
132 SAB • Grade 3 • Unit 4 • Lesson 6 Workshop: Place Value

## Student Activity Book - Page 132

4. Nikia:

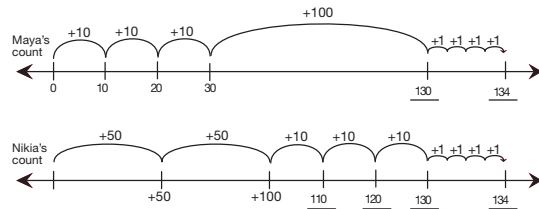
Maruta:

- 5. 21 Chocos. Possible response:



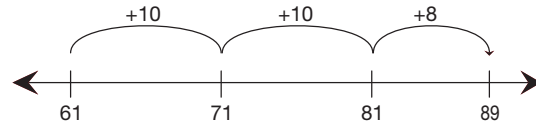
$$177 - 21 = 156 \text{ or } 156 + 21 = 177$$

- 6. A.



- B. Maya and Nikia counted the same number of Chocos.

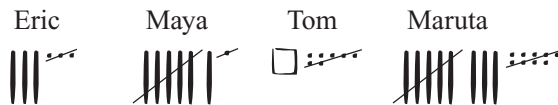
- 7. 28 Chocos. Possible strategy:



$$61 + 28 = 89 \text{ or } 89 - 28 = 61$$

- 8. Tom is correct because the total for Maya and Eric is less than Tom's.  $61 + 33 = 94$ ;  $94 < 107$ .

- 9. 290



$$33 + 61 + 107 + 89 = 290$$

Trade skinnies for flats and bits for skinnies.

$$200 + 90 = 290$$

Copyright © Kendall Hunt Publishing Company