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Student Activity Book

Many Ways to Say It (SAB pp. 543–544)
Questions A–E

Possible number sentences given for Questions A–E.

A. * My number sentence: $18 + 2 + 4 + 16 = 40$
My partner's number sentence:
$18 + 16 + 4 + 2 = 40$
Combined number sentence:
$18 + 2 + 4 + 16 = 18 + 16 + 4 + 2$

B. * My number sentence: $25 + 25 + 5 + 5 = 60$
My partner's number sentence:
$25 + 5 + 25 + 5 = 60$
Combined number sentence:
$25 + 25 + 5 + 5 = 25 + 5 + 25 + 5$

C. My number sentence: $10 + 12 + 6 + 4 = 32$
My partner's number sentence:
$10 + 4 + 6 + 12 = 32$
Combined number sentence:
$10 + 12 + 6 + 4 = 10 + 4 + 6 + 12$

D. My number sentence: $90 + 10 + 60 + 40 = 200$
My partner's number sentence:
$10 + 60 + 90 + 40 = 200$
Combined number sentence:
$90 + 10 + 60 + 40 = 10 + 60 + 90 + 40$

E. * Building plans and number sentences will vary.

*Answers and/or discussion are included in the lesson.

True or False (SAB p. 545)
Questions 1–2

I. **A.** True
   B. True
   C. True
   D. *True
   E. *False
   F. False
   G. *True
   H. False
   I. Possible response: For Question H,
       $80 + 20 + 30 = 50 + 50 + 30$

2. **A.** *$6 + 7 = 7 + \boxed{6}$
   B. $1 + 2 + 9 + 4 = \boxed{7} + 8 + 1$
   C. $10 + 0 + \boxed{10} = 10 + 8 + 2$
   D. $5 + 5 + 5 + 5 + 5 + 5 = 10 + \boxed{15} + 5$
   E. $\boxed{25} + 50 + 50 + 25 = 100 + 50$

Putting It All Together (SAB p. 547)
Questions 1–3

I. Possible number sentences:
   Number sentence 1: $10 + 6 + 12 + 4 = 32$
   Number sentence 2: $6 + 4 + 10 + 12 = 32$
   Combined number sentence:
   $10 + 6 + 12 + 4 = 6 + 4 + 10 + 12$

2. **A.** False
   B. True
   C. True

3. **A.** $7 + 9 + 1 = \boxed{1} + 9 + 7$
   B. $10 + 10 + 10 = 5 + 5 + 5 + 5 + \boxed{10}$
   C. $16 + 4 + 5 = 10 + \boxed{10} + 5$

Name _____ Date _____

True or False

1. Is it true or false? Circle one.

   A. $80 + 80 = 150 + 10$ True   False
   B. $6 + 2 + 4 = 6 + 2 + 2 + 2$ True   False
   C. $7 + 7 + 3 = 14 + 3$ True   False
   D. $6 + 14 = 14 + 6$ True   False
   E. $6 + 4 = 4 - 6$ True   False
   F. $0 + 18 + 2 = 15 + 0 + 10$ True   False
   G. $50 + 30 + 2 = 2 + 30 + 50$ True   False
   H. $80 + 20 + 30 = 50 + 50 + 50$ True   False

   I. Choose one of the false statements and make it true.
   _____
   _____

2. Make the number sentences true.

   A. $6 + 7 = 7 + \Box$
   B. $1 + 2 + 9 + 4 = \Box + 8 + 1$
   C. $10 + 0 + \Box = 10 + 8 + 2$
   D. $5 + 5 + 5 + 5 + 5 + 5 = 10 + \Box + 5$
   E. $\Box + 50 + 50 + 25 = 100 + 50$

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Putting It All Together

1. Write two number sentences to describe the building in the plan. Then combine the number sentences to make one new true number sentence.

Building Plan	Number Sentences
10 12 6 4	_____ _____ Number sentence 1 Number sentence 2 _____ Combined number sentence

2. Is it true or false? Circle one.

   A. $8 + 9 = 12 + 3$ True   False
   B. $12 + 6 + 4 = 6 + 4 + 12$ True   False
   C. $70 + 70 + 3 = 140 + 3$ True   False

3. Make the number sentences true.

   A. $7 + 9 + 1 = \Box + 9 + 7$
   B. $10 + 10 + 10 = 5 + 5 + 5 + 5 + \Box$
   C. $16 + 4 + 5 = 10 + \Box + 5$

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*Answers and/or discussion are included in the lesson.

Name _____ **Date** _____

Putting It All Together
Feedback Box

	Expectation	Check In	Comments
Recognize that different partitions of a number have the same total. [Q# 1–3]	E1		
Solve problems (e.g., part-whole, join) involving volume. [Q# 1]	E2		
Apply the properties of addition to write number sentences that represent the volume of a building. [Q# 1]	E3		
Count and add cubic units to find volume. [Q# 3]	E8		

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Building Plan   Number Sentences

A.

20	40
80	60

Number sentence 1 _____

Number sentence 2 _____

Combined number sentence _____

B.

22	4
8	34

Number sentence 1 _____

Number sentence 2 _____

Combined number sentence _____

C. Make your own building plan.

Number sentence 1 _____

Number sentence 2 _____

Combined number sentence _____

Homework Master   TG · Grade 2 · Unit 10 · Lesson 6

Teacher Guide

Teacher Guide

Building Parts (TG)
Homework
Questions A–C

Possible number sentences given for Questions A–C:

A. Number sentence 1: $20 + 80 + 40 + 60 = 200$

Number sentence 2: $60 + 20 + 80 + 40 = 200$

Combined number sentence:
$20 + 80 + 40 + 60 = 60 + 20 + 80 + 40$

B. Number sentence 1: $22 + 8 + 34 + 4 = 68$

Number sentence 2: $34 + 4 + 22 + 8 = 68$

Combined number sentence:
$22 + 8 + 34 + 4 = 34 + 4 + 22 + 8$

C. Building plans and number sentences will vary.