

Student Activity Book

What's My Number Sentence
(SAB pp. 101–102)

Questions 1–5

Number sentences will vary. Some possible number sentences are given.


1. A. $3 + 3 = 6$ (color or row)
 B. $2 + 2 + 2 = 6$ (column)
 C. $3 + 3 = 2 + 2 + 2$
2. A. $1 + 2 + 3 + 2 + 1 = 9$ (diagonal)
 B. $2 + 3 + 4 = 9$ (color)
 C. $1 + 2 + 3 + 2 + 1 = 2 + 3 + 4$
3. A. $1 + 3 + 5 = 9$ (row)
 B. $1 + 2 + 3 + 2 + 1 = 9$ (column)
 C. $1 + 3 + 5 = 1 + 2 + 3 + 2 + 1$
4. A. $2 + 4 + 8 = 14$ (color)
 B. $1 + 2 + 4 + 4 + 2 + 1 = 14$ (column)
 C. $2 + 4 + 8 = 1 + 2 + 4 + 4 + 2 + 1$
5. A. $6 + 6 = 12$ (color)
 B. $2 + 4 + 4 + 2 = 12$ (row)
 C. $6 + 6 = 2 + 4 + 4 + 2$

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Name _____ Date _____

What's My Number Sentence

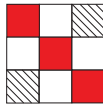
Write two number sentences for each tile design. Use the A and B spaces for each design. Your teacher will explain how to complete C.

1. 

A. _____

B. _____

C. _____

2. 

A. _____

B. _____

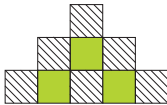
C. _____

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Number Sentences for Tile Designs SAB • Grade 2 • Unit 3 • Lesson 1 **101**

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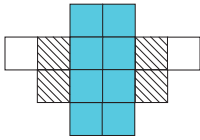
Name _____ Date _____

3. 

A. _____

B. _____

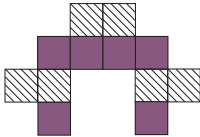
C. _____

4. 

A. _____

B. _____

C. _____

5. 

A. _____

B. _____

C. _____

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

Name _____ Date _____

Compare Two Sides

1. Read each number sentence. Write $>$, $<$, or $=$ in the circle to make each statement true.

$<$ less than
 $>$ greater than
 $=$ equal to



A. $8 + 4$ $6 + 6$ B. $4 + 4$ $5 + 6$

C. $6 + 3$ $5 + 4$ D. $2 + 6$ $3 + 4$

E. $7 + 6$ $7 + 8$ F. $8 + 6$ $9 + 5$

G. 13 $8 + 3$ H. $4 + 8$ $5 + 9$

2. Read each number sentence. Write if it is true or false.

A. $7 + 3 = 9 + 4$ _____

B. $14 = 7 + 7$ _____

C. $7 + 5 = 5 + 8$ _____

D. $7 + 4 = 8 + 4$ _____

E. Show or tell how you know your answer to Question 2D is correct.

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Compare Two Sides (SAB p. 103)

Questions 1–2

1. A. =
 B. * <
 C. =
 D. >
 E. <
 F. =
 G. >
 H. <
2. A. False
 B. True
 C. False
 D. False
 E. Answers will vary. Possible response: I know it is false because you are adding 4 to both sides. On one side you start at 7 and on the other side you start at 8. The answer to $7 + 4$ is 11 and the answer to $8 + 4$ is 12.

Make Your Own Tile Design
(SAB pp. 105–106)

Designs and number sentences will vary.

Name _____ Date _____

Make Your Own Tile Design

Use tiles to make a design on the grid. Color the squares to record your design.

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Number Sentences for Tile Designs SAB • Grade 2 • Unit 3 • Lesson 1 **105**

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Name _____ Date _____

Write a number sentence for your tile design. Then ask your partner to write a different number sentence. Use your number sentence and your partner's number sentence to make a true statement.

Number sentence _____

How did you look at your design?

color row column diagonal

Partner's name: _____

Partner's number sentence _____

How did your partner look at you design?

color row column diagonal

We put the two number sentences together to make a true statement.

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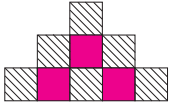
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Name _____ Date _____

Tile Designs and Number Sentences

Mara made this design using color tiles.



1. Mara wrote this number sentence to describe the design.
 $1 + 2 + 3 + 2 + 1 = 9$
 How was Mara looking at the design when she wrote her number sentence?

2. Kim wrote this number sentence to describe it.
 $1 + 3 + 5 = 9$
 How was Kim looking at the design when she wrote her number sentence?

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Name _____ Date _____

3. Write a different number sentence to describe Mara's design.

 Tell how you were looking at the design when you wrote your number sentence.

4. Read each number sentence. Write if it is true or false.

A. $7 = 6 + 5$ _____

B. $6 + 4 = 7 + 4$ _____

C. $9 + 9 = 8 + 7$ _____

D. $8 + 4 = 7 + 5$ _____

E. $5 + 9 = 7 + 7$ _____

F. $11 = 7 + 4$ _____

G. $3 + 9 = 5 + 8$ _____

H. Show or tell how you know your answer to Question 4G is correct.

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**Tile Designs and Number Sentences
 (SAB pp. 107–108)
 Questions 1–4**

1. Mara looked at the columns in the design. The first column has 1 tile, the second has 2, the third has 3, the fourth has 2, and the last has 1.
2. Kim looked at the design by rows. The first row has 1, the second has 3, and the last has 5.
3. Possible number sentences: $3 + 6 = 9$ (color) or $3 + 2 + 2 + 1 + 1 = 9$ (diagonal)
4. A. False
 B. False
 C. False
 D. True
 E. True
 F. True
 G. False
 H. Responses will vary. Possible response: I know it's false because I started at 9 on the number line and made 3 jumps and my answer was 12. Then I started at 8 on the number line and made 5 jumps and my answer was 13.