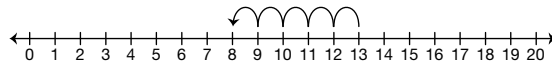
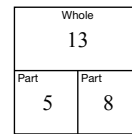
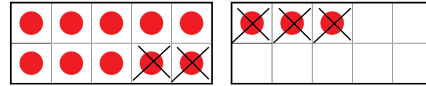


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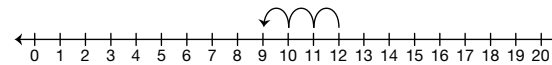
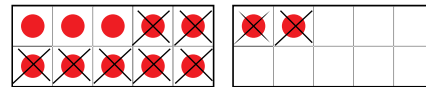
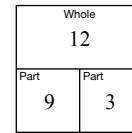
Solve Word Problems (SAB pp. 43–47)
Questions 1–4

Strategies will vary. Possible strategies are indicated for each problem.

1. 8 ants; $13 - 8 = 5$ or $5 + 8 = 13$;
Possible strategies:



2. 3 elephants; $12 - 9 = 3$ or $9 + 3 = 12$.



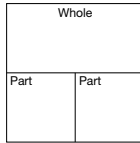
Name _____ Date _____

Solve Word Problems

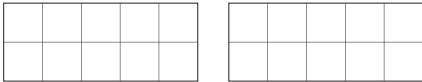
Show or tell how to solve the problems using each tool. Write a number sentence.

1. There was an army of 13 ants. Some ants walked away. Now there are 5 ants left. How many walked away?

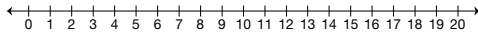
Show the problem in a diagram:



Use a ten frame:



Use a number line:



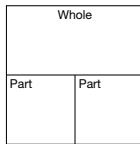
Number sentence _____

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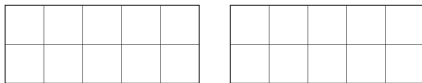
Name _____ Date _____

2. There are 12 elephants at the zoo. Nine elephants are awake and the rest are sleeping. How many elephants are sleeping?

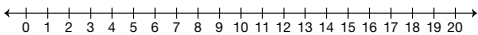
Show the problem in a diagram:



Use a ten frame:



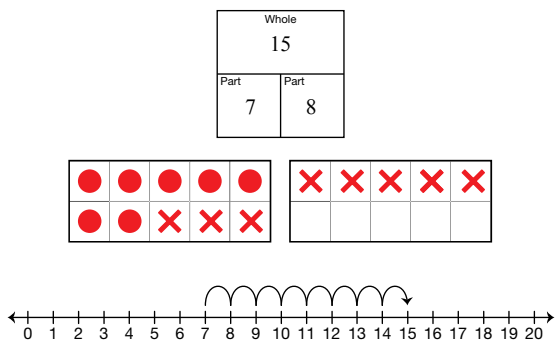
Use a number line:



Number sentence _____

Student Activity Book - Page 44

3. 15 monkey; $7 + 8 = 15$



4. **A.*** Possible response: I do not agree with Carla. She did not solve it correctly. She put 17 in the “part” box and she should have put it in the “whole” box because that’s the total number of dogs there were before some were adopted.

B.* My answer is 9 dogs. I put 8 in my head and counted up to 17: 9, 10, 11, 12, 13, 14, 15, 16, 17. The answer is 9; $17 - 8 = 9$ or $8 + 9 = 17$

Name _____ Date _____

3. One cage has 7 monkeys. Another cage has 8 more than the first cage. How many monkeys are in the second cage?
Show the problem in a diagram:

Whole	
Part	Part

Use a ten frame:

Use a number line:

Number sentence _____

Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 **45**

Student Activity Book - Page 45

Name _____ Date _____

4. There were 17 dogs at a shelter. Some of them were adopted. Now there are 8 dogs left. How many were adopted?
Carla solved the problem this way:

Whole	
8	
Part	Part
	17

A. Do you agree with Carla? Why or why not?

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Solve Word Problems

SAB • Grade 2 • Unit 1 • Lesson 8 **46**

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Name _____ Date _____

B. Show or tell how to solve the problem.

Whole	
Part	Part

Use a ten frame:

Use a number line:

Number sentence _____

Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 **47**






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

Name _____ Date _____

Animal Trading Cards

Show or tell how to solve the problems using each tool. Write a number sentence.

				
Pod of Whales 5¢	Troop of Monkeys 6¢	Pride of Lions 7¢	Army of Ants 8¢	Litter of Puppies 9¢

1. Julia bought a monkey card and an ant card. How much did she spend?

Whole
Part Part

← 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 →

Number sentence _____

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Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 **49**

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Name _____ Date _____

2. Miguel wants to get two animal cards. He has 12¢. He picks the lion card first.
What other card can he buy? _____

Whole
Part Part

← 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 →

Number sentence _____

3. Rosa has a nickel. She wants to buy a puppy card.
How much more money does she need? _____

Whole
Part Part

← 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 →

Number sentence _____

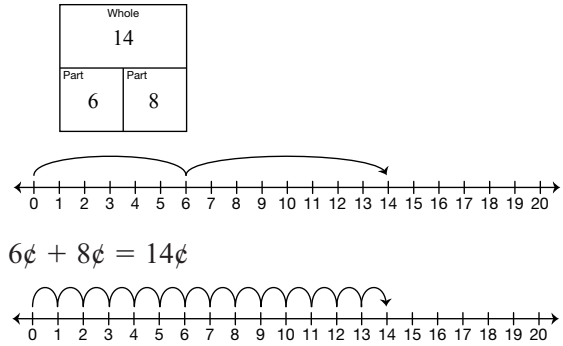
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Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 **50**

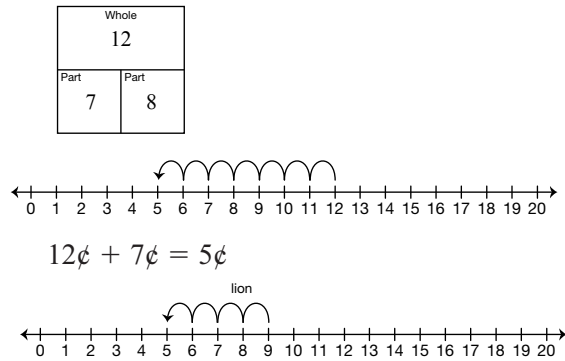
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**Animal Trading Cards (SAB pp. 49–53)
Questions 1–7**

1. 14¢

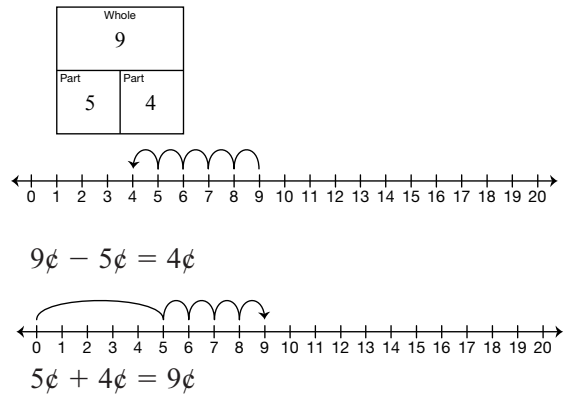


2. Whale card.

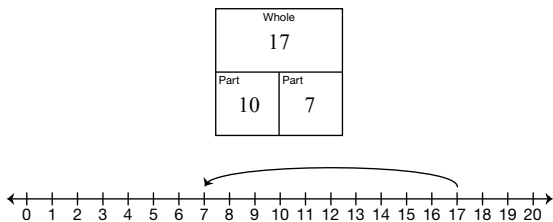


$7¢ + 5¢ = 12¢$

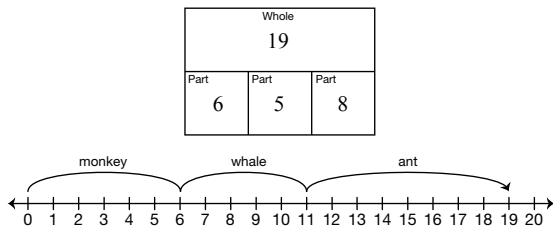
3. 4¢.



4. Lion card. Number sentence: $17¢ - 10¢ = 7¢$.



5. $19¢$.



$$6¢ + 5¢ + 8¢ = 19¢$$

6.* Responses will vary. Possible response:
 Nicholas should count the number of jumps he made back to 10: 16, 15, 14, 13, 12, 11, 10.
 The answer is 7. $17 - 10 = 7$ Kim can buy a lion card.

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Name _____ Date _____

4. Kim had 17c. She bought one card. She had a dime left over.
 What trading card did Kim buy? _____

Whole	
Part	Part

Number sentence _____

5. Jason bought a monkey card, a whale card, and an ant card.
 How much did he spend? _____

Whole		
Part	Part	Part

Number sentence _____

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Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 51

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Name _____ Date _____

6. Kim had 17c. She bought one card. She had a dime left over.
 What trading card did Kim buy?
 Nicholas started to solve the problem this way:

Nicholas

Help him finish his solution.

Number sentence _____

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52 SAB • Grade 2 • Unit 1 • Lesson 8 Solve Word Problems


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

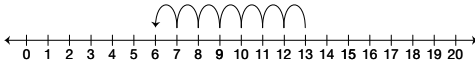
Name _____ Date _____

7. Nisha has 13¢. She wants to buy an ant card. What other card can she buy?
Emily solved the problem this way:

I counted back on the number line. I started at 13 and counted back 8: 13, 12, 11, 10, 9, 8, 7, 6. She can buy a monkey card.



Emily



A. Do you agree with Emily? Why or why not?

B. Show or tell how you would solve the problem.

Number sentence _____

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




Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 **53**

7. **A.*** Emily is not correct. She did not understand that she needs to count spaces (or hops), not numbers, on the number line. She started counting at 13 and counted back 8 times: 13, 12, 11, 10, 9, 8, 7, 6.
- B.*** She should have started with 12 and she would have reached 5. Nisha could buy a whale card. Number sentence:
 $13¢ - 8¢ = 5¢$

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Name _____ Date _____

Trading Cards Problems

 Flock of Sheep 4¢	 Pod of Whales 5¢	 Troop of Monkeys 6¢	 Pride of Lions 7¢	 Army of Ants 8¢	 Litter of Puppies 9¢
---	--	---	---	---	--

Show or tell how to solve each problem. Write a number sentence for each. Use connecting cubes, drawings, a number line, or a part-whole diagram.

1. Emily has 17¢. She bought an ant card. How much does Emily have left? Show how to use a part-whole diagram to model the problem.

Whole	
Part	Part

Number sentence _____

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Solve Word Problems SAB • Grade 2 • Unit 1 • Lesson 8 **55**

Trading Card Problems (SAB pp. 55–57)
Questions 1–6

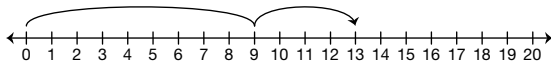
1. $17¢ - 8¢ = 9¢$

Whole	
17	
Part	Part
8	9

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

2. $9\text{¢} + 4\text{¢} = 13\text{¢}$



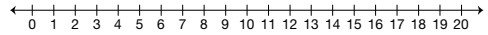
3. Puppy card. $15\text{¢} - 6\text{¢} = 9\text{¢}$ or $9\text{¢} + 6\text{¢} = 15\text{¢}$

Possible response: I started at 6 and counted up to 15. My answer is 9.



Name _____ Date _____

2. How much will a puppy card and a sheep card cost combined? Show how to use the number line to solve the problem.



Number sentence _____

3. Chris bought two cards and paid 15¢. One card was a monkey card. Circle the other card.



Number sentence _____

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4. $15\text{¢}. 8\text{¢} + 7\text{¢} = 15\text{¢}$

Possible response: I put 8 in my head and counted on 7 more: 9, 10, 11, 12, 13, 14, 15. My answer is 15¢.

5. Peter spent 4¢ more than Tanya. Possible strategy: I knew Peter spent more but how much more? $5\text{¢} + 5\text{¢} = 10\text{¢}$ so $9 - 5 = 4$ is one less or $4\text{¢}; 9\text{¢} - 5\text{¢} = 4\text{¢}$.

6. Peter had 10c at the start. Possible strategy: $\square - 3\text{¢} = 7\text{¢}$ or $3\text{¢} + 7\text{¢} = \square$. I thought about a ten frame. $3 + 7 = 10$ so I knew he started with 10¢.

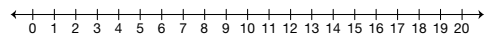
Name _____ Date _____

4. Johnny wants a lion card and an ant card. How much money does he need?

Number sentence _____

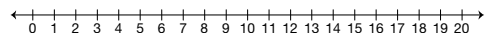
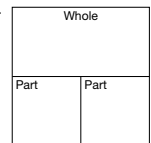
5. Tanya bought a whale card and Peter bought a puppy card. Who spent more money? How much more money did he or she spend?

Show or tell how you solved the problem.



Number sentence _____

6. Peter bought a lion card and has 3¢ left. How much money did he have at the start? Show or tell how to solve the problem.



Number sentence _____

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