

Student Activity Book

Use Strategies to Solve Problems
(SAB pp. 361–362)

Questions 1–6

1. $9 + 7 = \boxed{16}$ (Possible response: I know that $10 + 7 = 17$, so $9 + 7$ is 1 less or 16)
2. $6 + 7 = \boxed{13}$ or $\boxed{13} - 6 = 7$ (Possible response: I used doubles. I know that $6 + 6 = 12$, so $6 + 7 = 13$)
3. $8 + \boxed{6} = 14$ or $14 - 6 = 8$ (Possible response: I made 10. I know that $8 + 2 = 10$, so to get to 14, would be 4 more. $2 + 4 = 6$.)
4. $6 + 5 = \boxed{11}$ (Possible response: I drew 6 fish and I counted 5 more. The answer is 11.)
5. $\$9 + \$4 = \boxed{\$13}$ (Possible response: I used the number line. I started at 9 and counted 4 more. I landed on 13.)
6. $\boxed{3} + 9 = 12$ or $12 - 9 = \boxed{3}$ (Possible response: I started at 12 and went back 9 and I landed at 3. Jerome collected 3 worms.)

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Name _____ Date _____

Use Strategies to Solve Problems

Show or tell how you solve each problem.

1. Grace and Jerome went to the library. Grace took out 9 books and Jerome took out 7 books. How many books did they take out altogether?

2. Grace's mom had some grapes. She gave 6 to Grace. She has 7 left. How many grapes did she start with?

3. One day Grace and Jerome went to a garage sale. Grace bought 14 baseball cards but she gave some to Jerome. Now she has 8 baseball cards. How many did she give to Jerome?

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4. Grace has 6 fish in her aquarium. Jerome has 5 more than Grace. How many fish does Jerome have?

5. Jerome earned some money for helping his grandma in her garden. He earned \$9 on Saturday and \$4 on Sunday. How much money did he earn in all?

6. Grace collected 12 worms for fishing. This is 9 more than the number of worms that Jerome collected. How many worms did Jerome collect?

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Think About Strategies for Solving Problems

Grace and Jerome had to solve this problem:

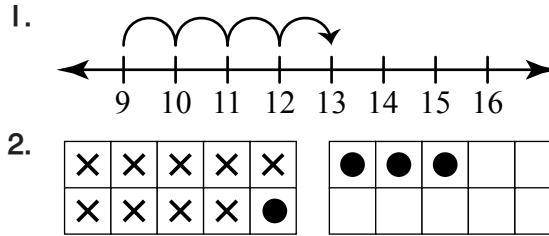
There were 9 children playing on the swings in the park. Later, 4 more children joined them. How many children were on the swings altogether?

- Grace solved the problem using a number line to count on. Write or show how she used a number line to solve the problem.
- Jerome solved the problem by using a ten frame. Write or show how he solved the problem.

- Think of another strategy for solving the problem. Write or show how you solved the problem.

Number Sentence: _____

Think About Strategies for Solving Problems (SAB p. 363)
Questions 1–3



Possible response: I put 9 in the first ten frame. To add 4 more, I put 1 in the first ten frame to fill it up and 3 in the second ten frame. My answer is 13.

- Answers will vary. Possible response: I made ten. I took 1 from the 4 and added it to 9 and that makes 10. I had 3 left and I added $10 + 3 = 14$.

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Think About Strategies for Solving Problems

Feedback Box

Feedback Box	Expectation	Check In	Comments
Represent addition and subtraction using drawings, ten frames, counters, number sentences, number lines, or solve word problems (e.g., join, separate, take away, part-whole, compare) involving two whole numbers whose sum is between 10 and 20.	E2		
Use mental math strategies and reasoning strategies (e.g., using doubles, using ten, making ten) to solve addition and subtraction problems involving two whole numbers whose sum is between 10 and 20.	E3		
Use strategies that apply the properties of addition (e.g., turn around, compose and decompose numbers) to solve addition and subtraction problems.	E5		
Find the unknown whole number in an addition or subtraction equation relating three whole numbers.	E7		
		Yes...	No...
		Yes, but...	No, but...
		No, but...	No...

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