

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.)

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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Name _____ Date _____

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?

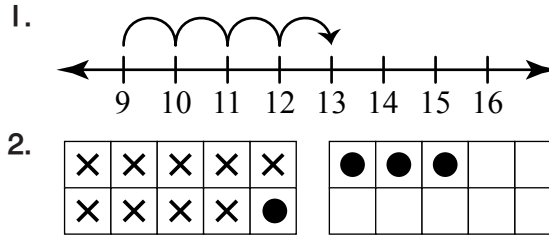
- Grace solved the problem using a number line to count on. Write or show how she used a number line to solve the problem.
- Jerome solved the problem by using a ten frame. Write or show how he solved the problem.

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

Number Sentence: _____

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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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Name _____

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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, making ten, marking 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...
MP1. Know the problem. I read the problem carefully. I know the questions to answer and what information is important.			
MP2. Find a strategy. I chose good information to use in my strategy for solving the problem.			
MP3. Check for reasonableness. I look back, at my solution to see if my work makes sense. If it does not, I try again.			
MP5. Show my work. I show or tell how I solved the problem so others can understand my thinking.			

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Teacher Guide

Grace and Jerome Problems (TG pp. 1–2)

Homework


Questions 1–5

1. $12 - 5 = \boxed{7}$ or $5 + \boxed{7} = 12$
2. $5 + 7 = \boxed{12}$ or $\boxed{12} - 7 = 5$
3. $12 - 8 = \boxed{4}$ or $8 + \boxed{4} = 12$
4. $\$8 + \boxed{\$3} = \$11$ or $\$11 - \$8 = \boxed{\$3}$
5. $\$8 + \$7 = \boxed{\$15}$ or $\boxed{\$15} - \$8 = \$7$

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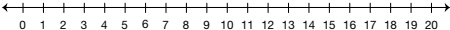
Grace and Jerome Problems



Dear Family Member:

We have been working on different types of word problems. Your child may use ten frames, counters, the number line, drawings, or mental math to solve the problems. He or she should write a number sentence for each problem.

Thank you.



1. Grace has 12 pencils. Jerome has 5 pencils. How many more pencils does Grace have?

Number Sentence: _____
2. Grace has 5 nickels. Jerome has 7 more nickels than Grace. How many nickels does Jerome have?

Number Sentence: _____

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3. Grace has 12 books. Eight are hardcover books. The rest of the books are paperbacks. How many paperbacks does she have?

Number Sentence: _____
4. Jerome had \$8. He got more money for helping his aunt. Now he has \$11. How much did he get for helping his aunt?

Number Sentence: _____
5. Grace had some money. She spent \$8 and now she has \$7 left. How much money did she start with?

Number Sentence: _____


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More Grace and Jerome Problems Homework

Dear Family Member:
Grace and Jerome like to collect things. Help your child solve each problem about their collections. Your child should write a number sentence for each. He or she may use counters (pennies or beans), the number line, or ten frames. A picture or diagram may also help. Thank you.



1. Grace and Jerome have 9 bugs in their insect collection. If they find 3 more, how many will they have? _____

Number Sentence: _____

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More Grace and Jerome Problems (TG pp. 1–2) Homework Questions 1–3

1. $9 + 3 = \boxed{12}$ or $\boxed{12} - 3 = 9$

2. $4 + 8 = \boxed{12}$

3. A. Grace

B. 2

Number Sentence: $7 - 5 = \boxed{2}$ or $5 + \boxed{2} = 7$

C. 12

Number Sentence: $7 + 5 = \boxed{12}$ or $\boxed{12} - 5 = 7$

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2. Grace has 4 rocks. Jerome has 8. How many do they have altogether? Show or tell how you know.

Number Sentence: _____

3. Grace has 7 baseball cards. Jerome has 5.

A. Who has more? _____

B. How many more? _____

Number Sentence: _____

C. How many cards do they have altogether? _____

Number Sentence: _____

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