

Student Guide

Strategies for Making Tens (SG pp. 19–20)
Questions 1–17


1. 16 2. 27
 3. 25 4. 27
 5. 31 6. 36
 7. 24 8. 24
 9. 23 10. 24
 11. 30 12. 43
13. A.* True: Answers will vary. Possible response:
 I can switch the 9 and 8 and the sentence
 will still be true.
 B.* 19
14. A.* True B.* True
 C.* 24
15. A. True B. True
 C. 16
16. A. True B. False
 C. 22
17. A. True B. False
 C. 20

Strategies for Making Tens

Switching Numbers
 Do the following problems in your head. Switch the order of the numbers you add so that it is easier to make a ten. Switching the order of the addends does not change the sum. There may be more than one way to solve each problem. A sample has been done for you.

Sample Problem: $4 + 9 + 6 =$


First I switch the 9 and 6. Now I add $4 + 6$ to make 10. Then I add the 9. The answer is 19.



1. $5 + 6 + 5 =$ 2. $12 + 7 + 8 =$
 3. $5 + 9 + 11 =$ 4. $3 + 17 + 7 =$
 5. $16 + 4 + 11 =$ 6. $14 + 16 + 6 =$

Breaking Addends into Parts
 The numbers that are added in an addition problem are called the **addends**. The answer is called the **sum**.
 Find groups of ten in the following number sentences by breaking an addend into two parts. Then find the sum. There may be more than one way to solve each problem. Be ready to explain your thinking to the class.

Sample Problem: $5 + 9 + 6 =$



Break the 9 into 5 + 4. Find a group of 10. See if there are more tens. Find the sum.

$$\begin{array}{r} 5 + 5 + 4 + 6 = \\ 10 + 10 = 20 \end{array}$$


7. $16 + 6 + 2 =$ 8. $5 + 12 + 7 =$
 9. $14 + 8 + 1 =$ 10. $13 + 2 + 9 =$
 11. $14 + 12 + 4 =$ 12. $22 + 16 + 5 =$

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Number Sentences



If I add $2 + 9 + 8$, I think $2 + 9$ is 11 and 8 more is 19.



I switch the 8 and 9, so I can add 8 and 2 to get 10. Then 9 more is 19.

$2 + 9 + 8 = 2 + 8 + 9$
True or False?

Discuss

13. A. Is the number sentence above true or false? Tell how you know.
 B. $2 + 9 + 8 =$

For each of the problems below, decide if the number sentences in A and B are true or false. Then solve C. Be ready to explain your thinking.

14. A. $19 + 5 = 19 + 1 + 4$ B. $19 + 1 + 4 = 20 + 4$
 C. $19 + 5 =$

15. A. $7 + 6 + 3 = 7 + 3 + 6$ B. $7 + 3 + 6 = 10 + 6$
 C. $7 + 6 + 3 =$

16. A. $5 + 12 + 5 = 5 + 5 + 12$ B. $10 + 12 = 21$
 C. $5 + 5 + 12 =$

17. A. $8 + 9 + 3 = 8 + 2 + 7 + 3$ B. $8 + 2 + 7 = 10 + 10$
 C. $8 + 9 + 3 =$

Use the *Six Key Is Broken* page in the *Student Activity Book* to continue to look for tens in number sentences.

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