Name —————————————————————

Think and Grow

Example Find the number that makes $5 + 8 = 6 + \triangle$ true.

$$5 + 8 = 6 + \triangle$$

Symbols or letters can represent unknown numbers.

$$\underline{\quad} = 6 + \triangle$$

$$\underline{\quad} = 6 + \underline{\quad}$$

So, $\triangle = \underline{\quad}$.

Example Find two numbers that make $7 + x > 10$ true.

Think: $7 + \underline{\quad} = 10$

So, x must be greater than $\underline{\quad}$.

Think: What numbers are greater than 3?

What other numbers make this statement true?

So, $x = \underline{\quad}$ and $x = \underline{\quad}$ make the statement true.

Show and Grow

Find the number that makes the equation true.

1. $14 + 1 = ☆ + 9$

2. $8 + c = 9 + 7$

3. $y + 11 = 18 - 2$

Find two numbers that make the statement true.

4. $z + 4 < 7$

5. $12 < 4 + b$

6. $5 + w > 6 + 13$

Practice

Find the number that makes the equation true.

7. ♥ $+ 4 = 11 + 2$

8. $13 + 16 = 9 + d$

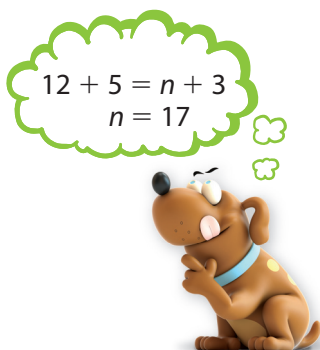**9.** $8 + k = 22 - 5$

Find two numbers that make the statement true.

10. $6 + g > 14$

11. $12 + 3 < $ ☾ $ + 10$

12. $30 - 13 > 9 + h$

13. **YOU BE THE TEACHER** Is Newton correct? Explain.

$12 + 5 = n + 3$
$n = 17$

14. **Structure** Which statement can you use to represent the problem?

"You see 9 robins and some finches. You see 16 birds in all. How many finches do you see?"

$9 + 16 = f$	$9 + f = 16$
$9 + f < 16$	$9 + 16 > f$

15. **Which One Doesn't Belong?** Which statement does *not* belong with the other three? Explain.

$8 + p > 13$	$p + 8 > 13$
$13 > 8 + p$	$13 < 8 + p$

16. **DIG DEEPER!** Which of the following makes the statement true? Explain.

$$19 + 5 < w + 15$$

| $w < 9$ | $w > 9$ | $w < 24$ | $w > 24$ |

17. **Modeling Real Life** You and your friend have the same number of trading cards. You have 24 common cards and 8 rare cards. Your friend has 27 common cards. How many rare trading cards does your friend have?

18. **Modeling Real Life** You want to use fewer than 32 moves to solve a game puzzle. You have already used 17 moves. What is the greatest number of moves you have left? Explain.