

Independent Practice

Algebra Find each unknown. Write each property or rule that is used.

4. $(\blacksquare + 8) + 7 = 9 + (8 + 7)$

$\blacksquare = \underline{\hspace{2cm}}$

6. $\blacksquare + 0 = 19$

$\blacksquare = \underline{\hspace{2cm}}$

8. $17 + (11 + 18) = (17 + \blacksquare) + 18$

$\blacksquare = \underline{\hspace{2cm}}$

5. $14 + 13 = 13 + \blacksquare$

$\blacksquare = \underline{\hspace{2cm}}$

7. $25 - \blacksquare = 0$

$\blacksquare = \underline{\hspace{2cm}}$

9. $37 - \blacksquare = 37$

$\blacksquare = \underline{\hspace{2cm}}$

Use the properties of addition to add.

10. $17 + 0 = \underline{\hspace{2cm}}$

11. $(22 + 35) + 15 = \underline{\hspace{2cm}}$

12. $16 + 22 = \underline{\hspace{2cm}}$

13. $0 + 47 = \underline{\hspace{2cm}}$

14. $19 + (61 + 15) = \underline{\hspace{2cm}}$

15. $27 + (43 + 16) = \underline{\hspace{2cm}}$

16. $23 + 74 = \underline{\hspace{2cm}}$

17. $(24 + 24) + 16 = \underline{\hspace{2cm}}$


18. $0 + 83 = \underline{\hspace{2cm}}$

19. $25 + (35 + 19) = \underline{\hspace{2cm}}$




Problem Solving

20. Paco has 75 minutes before he needs to get ready for baseball practice. He cleans his room for 40 minutes and reads for 35 minutes. How much time will he have left before his baseball practice? Explain.

21. **Mathematical PRACTICE**  **Identify Structure** Chloe ate 10 grapes and 5 crackers. Layla ate 5 grapes and 10 crackers. Who ate more food items? Write a number sentence. Then identify the property or rule used.

HOT Problems

22. **Mathematical PRACTICE**  **Use Number Sense** $(23 + \blacksquare) + 19 = 23 + (\blacksquare + 19)$
Can any number complete the number sentence? Explain.

23.  **Building on the Essential Question** How are addition properties and subtraction rules helpful when solving problems?



My Work!