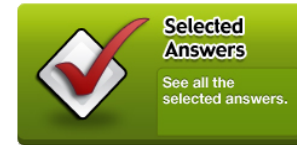
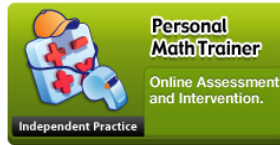


10.1 Independent Practice

COMMON CORE 6.EE.2a, 6.EE.2b, 6.EE.4, 6.EE.2.6



10. Write an algebraic expression with the constant 7 and the variable y .

Write each phrase as an algebraic expression.

- 11. n divided by 8 _____
- 12. p multiplied by 4 _____
- 13. b plus 14 _____
- 14. 90 times x _____
- 15. a take away 16 _____
- 16. k less than 24 _____
- 17. 3 groups of w _____
- 18. the sum of 1 and q _____
- 19. the quotient of 13 and z _____
- 20. c added to 45 _____
- 21. 8 less than w _____

Write a phrase in words for each algebraic expression.

- 22. $m + 83$ _____
- 23. $42s$ _____
- 24. $\frac{9}{d}$ _____
- 25. $t - 29$ _____
- 26. $2 + g$ _____
- 27. $11x$ _____
- 28. $\frac{h}{12}$ _____
- 29. $5 - k$ _____

Sarah and Noah work at Read On Bookstore and get paid the same hourly wage. The table shows their work schedule for last week.

Read On Bookstore Work Schedule (hours)			
	Monday	Tuesday	Wednesday
Sarah	5	3	
Noah			8

- 30. Write an expression that represents Sarah's total pay last week. Represent her hourly wage with w . _____
- 31. Write an expression that represents Noah's total pay last week. Represent his hourly wage with w . _____
- 32. Are the expressions equivalent? Did Sarah and Noah earn the same amount last week? Use models to justify your answer.

- 33. Mia buys 3 gallons of gas that costs d dollars per gallon. Bob buys g gallons of gas that costs \$3 per gallon.
 - a. Write an expression for the amount Mia pays for gas. _____
 - b. Write an expression for the amount Bob pays for gas. _____
 - c. What do the numeral and the variable represent in each expression?

