Lesson 10.6 Practice: Writing Equations for Word Problems

School Launch · Pre-Algebra · Unit 10: Equations and Inequalities · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Henry buys pencils at 2 cents each and spends 26 cents. Write and solve an equation for the number of pencils p.

EASY

2. Isaac buys pencils at 7 cents each and spends 21 cents. Write and solve an equation for the number of pencils p.

EASY

3. Daniel buys pencils at 4 cents each and spends 56 cents. Write and solve an equation for the number of pencils p. EASY

4. A pony ride costs a $34 entry fee plus $15 per lap. Henry paid $109. How many laps? Write the equation first. MEDIUM

5. A pony ride costs a $20 entry fee plus $6 per lap. Grace paid $62. How many laps? Write the equation first.

MEDIUM

6. A pony ride costs a $26 entry fee plus $6 per lap. Daniel paid $44. How many laps? Write the equation first.

MEDIUM

7. A pony ride costs a $24 entry fee plus $8 per lap. Henry paid $56. How many laps? Write the equation first.

MEDIUM

8. Three consecutive integers add up to 48. Write an equation and find the integers. HARD

9. Three consecutive integers add up to 21. Write an equation and find the integers. HARD

10. Three consecutive integers add up to 18. Write an equation and find the integers. HARD