

Name: _____ Pd: 2nd/4th Date: 3/13/18

M7

CH 6.5 - More Two-Step Equations (Page 481)

ESSENTIAL QUESTION:

WHAT does it mean to say two quantities are equal?

Success Criteria:

1. I can solve two-step equations using inverse operations.

SMPs:

1. Persevere with Problems
2. Reason Abstractly
3. Construct Viable Arguments
4. Model with Mathematics

CCSS:

- 7.EE.4
- 7.EE.4a

EXAMPLES

Solve each equation

Operations

Check your solution

1. $2(p + 7) = 18$

Solve each equation

Operations

Check your solution

2. $(v + 5)\left(-\frac{1}{9}\right) = 6$

Solve each equation

Operations

Check your solution

3. $(4 + g)(-1) = 121$

4. $0.8(m - 5) = 10$

5. Mr. Singh had three sheets of stickers. He gave 20 stickers from each sheet to his students and has 12 total stickers left. Write and solve an equation to find how many stickers were originally on each sheet.

NAME _____

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3/13/18

PERIOD

2nd/4th

Lesson 5 Homework Practice

More Two-Step Equations

2-12 even

Solve each equation. Check your solution.

1. $3(x + 5) = 18$

2. $4(x + 8) = 44$

3. $-5(x - 10) = -35$

4. $-9(x - 4) = 81$

5. $7(x + 4.9) = 56$

6. $-12(x + 6.2) = 60$

7. $\frac{2}{3}(x + 13) = 22$

8. $-\frac{7}{9}(x + 3) = 14$

9. $-\frac{4}{7}\left(x - \frac{1}{4}\right) = \frac{3}{7}$

10. $\frac{5}{8}\left(x - \frac{1}{3}\right) = \frac{5}{12}$

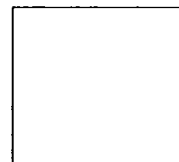
11. $8.3(x + 3.1) = 83$

12. $-7.2(x - 15.6) = -9$

Write an equation to represent each situation. Then solve the equation.

13. **SCHOOL** Half of the students in Max's class volunteer at the local community center. Fifteen students do not volunteer. If there are 12 boys in Max's class, how many girls are in his class?

14. **GEOMETRY** The perimeter of the square shown is $4(x + 3.3)$ meters. What is the value of x if the perimeter is 28 meters?

 $(x + 3.3)$ m

15. **SUPPLIES** Tony spent \$60.54 and bought 3 packs of notebooks and a calculator. How much does a pack of notebooks cost if a calculator costs \$45.87?



Name: _____

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Math 7

3rd Quarter Binder Check

Due 3/15/18

You must turn in the papers below in the order I am asking for them in order to receive the full amount of points. Five points will be subtracted if these papers are not in order. Each paper is worth 5 points for a total of 75 points. This paper must be stapled to the top of the 15 papers below. **YOUR ASSIGNMENTS MUST BE COMPLETED AND GRADED** to be turned in with this binder check. You may not print papers off the Wiki and turn those in as they will not count unless it's the syllabus. **PLEASE DO NOT MARK ON THIS SHEET** other than putting a check mark or X **At The End Of The Line** to keep track for yourselves.

- _____ 1. Syllabus
- _____ 2. Class Procedures
- _____ 3. Chapter 5 Vocabulary
- _____ 4. WS 5.2 Pg 72 All (WS and work)
- _____ 5. WS 5.5 Pg 79 Evens (WS and work)
- _____ 6. WS 5.7 Pg 83 Evens (WS and work)
- _____ 7. Mid-Chapter 5 Quiz
- _____ 8. PSI (Problem-Solving Investigation) WS Pg 76 ALL (WS and work)
- _____ 9. WS 5.8 Pg 85 #2-26 even (WS and work)
- _____ 10. Chapter 5 Study Guide
- _____ 11. Chapter 5 Vocabulary Test
- _____ 12. Chapter 6 Vocabulary
- _____ 13. Chapter 5 Test
- _____ 14. Chapter 5 STP
- _____ 15. WS 6.1 Pg 90 ALL (WS and work)

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