Name _____ Class _____ Date _____

Practice 1-6

Solving Equations by Adding and Subtracting

Solve each equation. Check the solution.

1. $x - 6 = -18$ _____

2. $-14 = 8 + j$ _____

3. $4.19 + w = 19.72$ _____

4. $b + \frac{1}{6} = \frac{7}{8}$ _____

5. $9 + k = 27$ _____

6. $14 + t = -17$ _____

7. $v - 2.59 = 26$ _____

8. $r + 9 = 15$ _____

9. $n - 19 = 26$ _____

10. $14 = -3 + s$ _____

11. $9 = d - 4.3$ _____

12. $g - \frac{1}{4} = \frac{5}{8}$ _____

Write and solve an equation for each situation.

13. Yesterday Josh sold some boxes of greeting cards. Today he sold seven boxes. If he sold 25 boxes in all, how many did he sell yesterday?

_____

14. After Simon donated four books to the school library, he had 28 books left. How many books did Simon have to start with?

_____

15. Jana baked some muffins. After she served 13 of them to her friends for brunch, she had 17 left. How many muffins did she bake?

_____

16. A scuba diver descended to a depth of –22 meters (or 22 meters below sea level). The ocean floor is at a depth of –71 meters. How much farther would she need to descend to reach the ocean floor?

_____

_____

Choose from –4, –3, –2, –1, 0, 1, 2, 3, 4. Find *all* the numbers that are solutions of each equation.

17. $|x| = 2$ _____

18. $5 + |x| = 9$ _____

19. $|x - 1| = 3$ _____

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Name _____ Class _____ Date _____

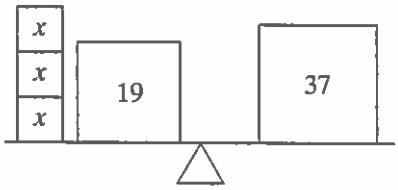
Puzzle 1-6

Solving Equations by Adding and Subtracting

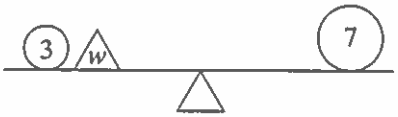
Equations that Balance

Find the missing weights by writing and solving an equation for each scale.

Example:

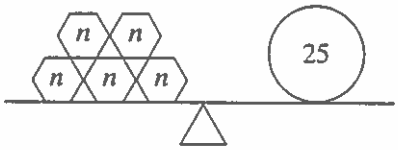


1.



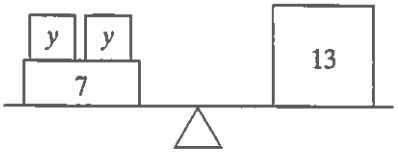
$w =$ _____

2.



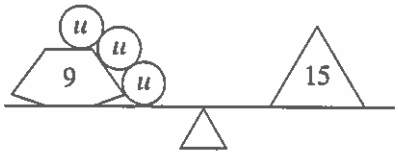
$n =$ _____

3.



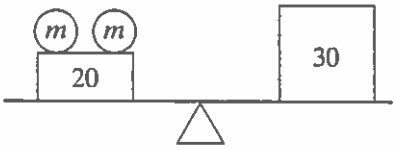
$y =$ _____

4.



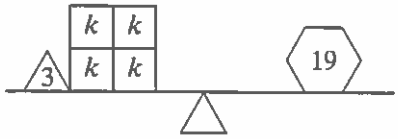
$u =$ _____

5.



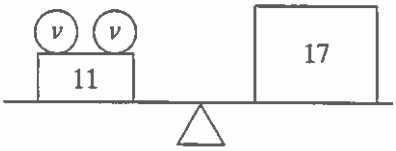
$m =$ _____

6.



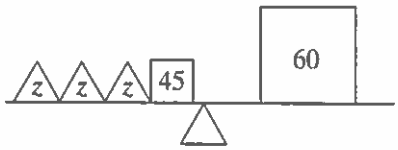
$k =$ _____

7.



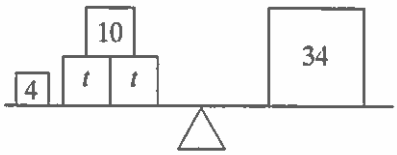
$v =$ _____

8.



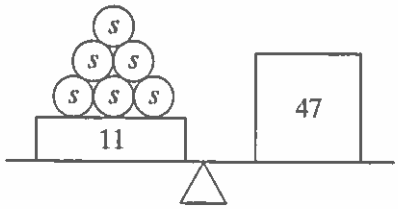
$z =$ _____

9.



$t =$ _____

10.



$s =$ _____

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