Name _____ Date _____

Another Look

For use with Lesson 1-7.

Equations and Solutions

Example Solve for the given replacement set.
$q + 5 = 11$ for $\{6, 7, 8\}$

Solution
$q + 5 = 11$
$8 + 5 = 11$ (false)
$7 + 5 = 11$ (false)
$6 + 5 = 11$ (true)
$q = 6$

Replace the variable q with each number in the replacement set. The number that makes the equation true is the solution.

Solve for the given replacement set.

1. $s - 4 = 2$ for $\{5, 6, 7\}$
2. $q + 3 = 5$ for $\{2, 3, 4\}$
3. $b + 1 = 6$ for $\{4, 5, 6\}$
4. $p - 5 = 1$ for $\{5, 6, 7\}$
5. $n - 1 = 4$ for $\{3, 4, 5\}$
6. $d - 3 = 1$ for $\{2, 3, 4\}$
7. $g - 2 = 4$ for $\{6, 7, 8\}$
8. $k + 2 = 6$ for $\{4, 5, 6\}$
9. $r + 4 = 8$ for $\{3, 4, 5\}$
10. $a + 5 = 12$ for $\{5, 6, 7\}$
11. $b - 5 = 1$ for $\{5, 6, 7\}$
12. $s + 1 = 8$ for $\{6, 7, 8\}$
13. $r + 4 = 7$ for $\{3, 4, 5\}$
14. $q - 4 = 3$ for $\{5, 6, 7\}$
15. $r + 5 = 8$ for $\{3, 4, 5\}$
16. $p - 2 = 3$ for $\{3, 4, 5\}$
17. $f - 3 = 2$ for $\{4, 5, 6\}$
18. $b - 1 = 6$ for $\{5, 6, 7\}$
19. $s + 2 = 6$ for $\{3, 4, 5\}$
20. $s + 3 = 11$ for $\{6, 7, 8\}$

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