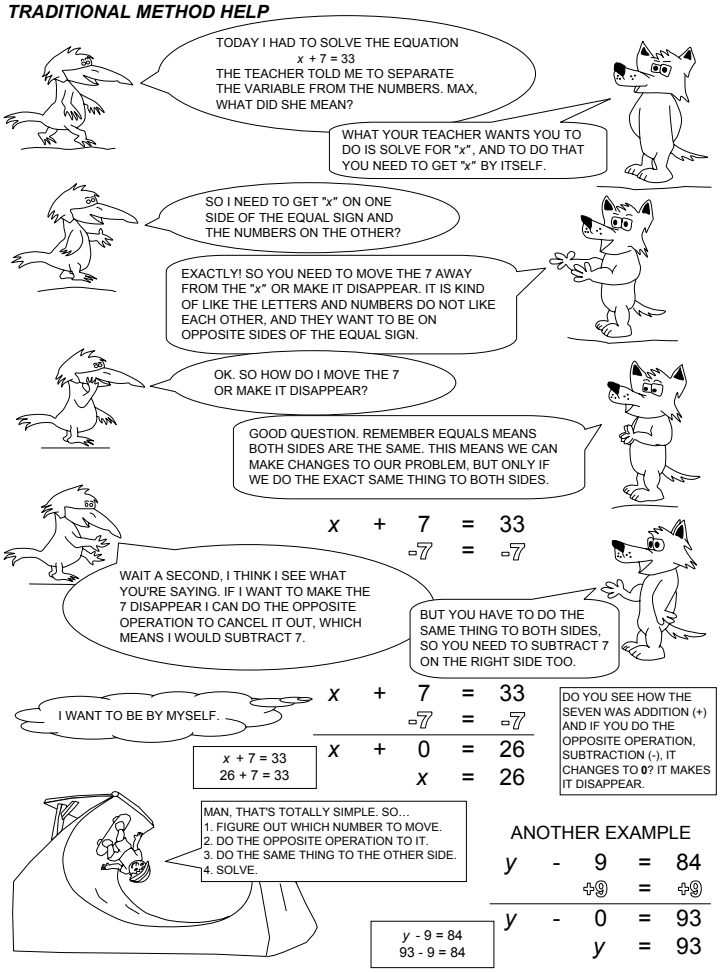
SOLVING ONE STEP EQUATIONS (ADD / SUBTRACT)

ANSWERS - PAGE 1

TRADITIONAL METHOD HELP



ANOTHER EXAMPLE

$y - 9 = 84$

$+9 \quad = \quad +9$

$y - 0 = 93$

$y = 93$

$y - 9 = 84$

$93 - 9 = 84$

SOLVING ONE STEP EQUATIONS PRACTICE - A

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ON THIS PROBLEM THE **-27** WANTS TO GET AWAY FROM THE ***r***. TO MAKE HIM DISAPPEAR TO THE OTHER SIDE DO THE OPPOSITE OPERATION.

1. $58 = r - 27$

$+27 \quad = \quad +27$

$85 = r - 0$

$85 = r$

58 = r - 27
58 = 85 - 27
58 = 58

SEE...NOW THE NUMBERS ARE ON ONE SIDE, AND THE VARIABLES ARE ON THE OTHER.

ON THIS PROBLEM THE **+35** WANTS TO GET AWAY FROM THE ***g***. TO MAKE HIM DISAPPEAR TO THE OTHER SIDE DO THE OPPOSITE OPERATION.

2. $89 = g + 35$

$-35 \quad = \quad -35$

$54 = g + 0$

$54 = g$

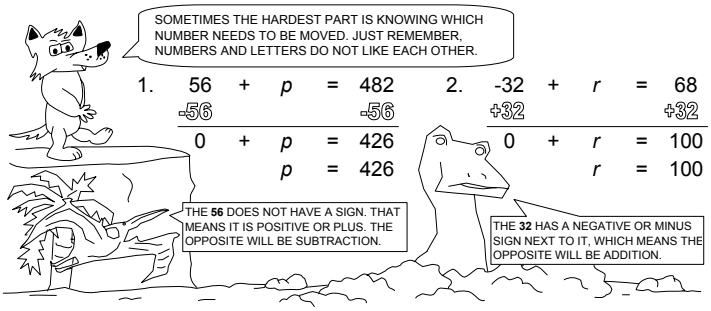
89 = g + 35
89 = 54 + 35
89 = 89

SOLVE EACH EQUATION

3. $t + 51 = 73$
   $t = 22$
4. $w - 20 = 67$
   $w = 87$
5. $e + 45 = 83$
   $e = 38$
6. $102 = x + 61$
   $x = 41$
7. $99 = h - 48$
   $h = 51$
8. $54 = y - 70$
   $y = 124$
9. $t - 38 = 47$
   $t = 85$
10. $47 = t - 38$
    $t = 85$
11. $k + 90 = 189$
    $k = 99$
12. $88 = y + 55$
    $y = 33$
13. $w - 202 = 268$
    $w = 470$
14. $300 = j + 167$
    $j = 133$
15. $p - 105 = 147$
    $p = 252$
16. $89 = v - 217$
    $v = 306$
17. $g + 42 = 75$
    $g = 33$
18. $d + 89 = 136$
    $d = 47$
19. $x - 199 = 45$
    $x = 244$
20. $248 = h - 232$
    $h = 480$
21. $367 = y + 255$
    $y = 112$
22. $p + 339 = 482$
    $p = 143$
23. $600 = r - 523$
    $r = 1{,}123$

SOLVING ONE STEP EQUATIONS PRACTICE - B

ANSWERS - PAGE 3

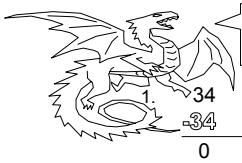


SOLVE EACH EQUATION

3. $+39 + r = 95$
   $r = 56$
4. $-39 + t = 95$
   $t = 134$
5. $48 = 45 + y$
   $y = 3$
6. $-50 + w = 120$
   $w = 170$
7. $105 = -28 + c$
   $c = 133$
8. $+61 + k = 167$
   $k = 106$
9. $120 = 68 + s$
   $s = 52$
10. $+110 + b = 173$
    $b = 63$
11. $81 = -39 + f$
    $f = 120$
12. $94 = -202 + a$
    $a = 296$
13. $-136 + g = 100$
    $g = 236$
14. $183 = 83 + k$
    $k = 100$
15. $-141 + e = 84$
    $e = 225$
16. $222 + r = 292$
    $r = 70$
17. $+56 + p = 137$
    $p = 81$
18. $235 = 50 + y$
    $y = 185$
19. $46 = -104 + x$
    $x = 150$
20. $-282 + t = 60$
    $t = 342$
21. $216 = -189 + w$
    $w = 405$
22. $293 + n = 374$
    $n = 81$
23. $556 = 401 + d$
    $d = 155$

SOLVING ONE STEP EQUATIONS PRACTICE - C

ANSWERS - PAGE 4



THESE TWO ARE A LITTLE TRICKY. AFTER YOU MOVE THE NUMBER AWAY FROM THE VARIABLE THERE IS A NEGATIVE SIGN STILL NEXT TO THE LETTER. HAVE YOU EVER HEARD OF A NEGATIVE LETTER BEFORE?

1. $34 - d = 217$

$-34 \quad -34$

$0 - d = 183$

$? - d = 183$

MOVE THE NEGATIVE TO THE OTHER SIDE.

$-d = 183$

$d = -183$

34 - d = 217
34 - (-183) = 217
34 + 183 = 217
217 = 217

2. $64 = -81 - x$

$+81 \quad +81$

$145 = 0 - x$

$? \; 145 = - x$

$145 = - x$

$-145 = x$

64 = -81 - x
64 = -81 - (-145)
64 = -81 + 145
64 = 64

SOLVE EACH EQUATION

3. $47 - r = 92$
   $r = -45$
4. $47 + s = 92$
   $s = 45$
5. $90 = 81 - y$
   $y = -9$
6. $t - 162 = 391$
   $t = 553$
7. $67 = +42 + e$
   $e = 25$
8. $123 - n = 138$
   $n = -15$
9. $101 = a - 99$
   $a = 200$
10. $-b - 256 = 64$
    $b = -320$
11. $401 = 349 + d$
    $d = 52$
12. $78 - y = 245$
    $y = -167$
13. $573 = 202 - k$
    $k = -371$
14. $g - 58 = 273$
    $g = 331$
15. $741 = -h + 230$
    $h = -511$
16. $-146 - x = 178$
    $x = -324$
17. $318 + s = 537$
    $s = 219$
18. $-318 + p = 537$
    $p = 855$
19. $261 = -716 + m$
    $m = 977$
20. $0 = 0 - x$
    $x = 0$