SOLVING ONE STEP EQUATIONS PRACTICE - A

ANSWERS - PAGE 1

YOU ARE TRYING TO GET THE NUMBERS AND VARIABLES ON OPPOSITE SIDES OF THE EQUAL SIGN. IF WE MOVE THE **27** ALL THE NUMBERS WILL BE ON THE RIGHT SIDE.

1. $r - 27 = 58$
$+27 \quad = +27$
$r - 0 = 58$
$r = 58$

WHEN YOU WANT TO CANCEL A NUMBER OUT OR MOVE IT, USE ITS OPPOSITE OPERATION. SUBTRACTION IS THE OPPOSITE OF ADDITION.

2. $89 = g + 35$
$-35 \quad = \quad -35$
$54 = g + 0$
$54 = g$

SOLVE EACH EQUATION

3. $t + 34 = 56$
$t = 22$

4. $k + 73 = 101$
$k = 28$

5. $e + 48 = 78$
$e = 30$

6. $99 = x + 72$
$x = 27$

7. $56 = h - 44$
$h = 100$

8. $43 = y - 93$
$y = 136$

9. $88 = r - 92$
$r = 180$

10. $130 = t - 70$
$t = 200$

11. $w - 125 = 103$
$w = 228$

12. $164 = y + 46$
$y = 118$

13. $k + 104 = 159$
$k = 55$

14. $148 = j + 64$
$j = 84$

15. $p - 105 = 135$
$p = 240$

16. $132 = v - 240$
$v = 372$

17. $g + 72 = 85$
$g = 13$

18. $d + 173 = 241$
$d = 68$

19. $x - 246 = 122$
$x = 368$

20. $234 = y + 189$
$y = 45$

21. $145 = h - 294$
$h = 439$

22. $p + 97 = 159$
$p = 62$

23. $w - 71 = 205$
$w = 276$

SOLVING ONE STEP EQUATIONS PRACTICE - B

ANSWERS - PAGE 2

THE **56** DOES NOT HAVE A SIGN. THAT MEANS IT IS POSITIVE OR PLUS. THE OPPOSITE WILL BE SUBTRACTION.

1. $56 + p = 482$
$-56 \quad = -56$
$0 + p = 426$
$p = 426$

THE **32** HAS A NEGATIVE OR MINUS SIGN NEXT TO IT, WHICH MEANS THE OPPOSITE WILL BE ADDITION.

2. $-32 + r = 68$
$+32 \quad = +32$
$0 + r = 100$
$r = 100$

SOLVE EACH EQUATION

3. $48 = -28 + f$
$f = 76$

4. $-42 + t = 37$
$t = 79$

5. $83 = 19 + y$
$y = 64$

6. $-50 + w = 101$
$w = 151$

7. $80 = -39 + c$
$c = 119$

8. $+41 + k = 117$
$k = 76$

9. $231 = 62 + s$
$s = 169$

10. $63 + n = 74$
$n = 11$

11. $-105 + e = 131$
$e = 236$

12. $123 = -282 + a$
$a = 405$

13. $-135 + g = 91$
$g = 226$

14. $183 = 83 + k$
$k = 100$

15. $+117 + b = 133$
$b = 16$

16. $63 + r = 189$
$r = 126$

17. $+70 + r = 170$
$r = 100$

18. $204 = -125 + w$
$w = 329$

19. $135 = 60 + y$
$y = 75$

20. $-303 + t = 305$
$t = 608$

21. $299 = -290 + b$
$b = 589$

22. $131 + n = 182$
$n = 51$

23. $94 = 88 + d$
$d = 6$

24. $+78 + h = 166$
$h = 88$

25. $55 = -138 + x$
$x = 193$

26. $+101 + p = 111$
$p = 10$

SOLVING ONE STEP EQUATIONS PRACTICE - C

ANSWERS - PAGE 3

SOMETIMES A VARIABLE HAS A NEGATIVE (MINUS) SIGN NEXT TO IT. YOU NEED TO MOVE IT TO THE OTHER SIDE.

1. $15 - d = 23$
$-15 \quad = -15$
$0 - d = 8$
$-d = 8$
$-d = 8$
$d = -8$

2. $12 = -13 - x$
$+13 \quad = +13$
$25 = 0 - x$
$25 = -x$
$25 = -x$
$-25 = x$

IT'S A GOOD IDEA TO CHECK YOUR ANSWERS TO MAKE SURE THEY MAKE SENSE.

$15 - d = 23$
$15 - (-8) = 23$
$15 + 8 = 23$
$23 = 23$

$12 = -13 - x$
$12 = -13 - (-25)$
$12 = -13 + 25$
$12 = 12$

SOLVE EACH EQUATION

3. $-b - 28 = 34$
$b = -52$

4. $55 + s = 170$
$s = 115$

5. $124 + y = 159$
$y = 35$

6. $101 - r = 101$
$r = 0$

7. $184 = +93 + e$
$e = 91$

8. $178 - n = 205$
$n = -27$

9. $120 = a - 99$
$a = 219$

10. $202 = 136 - y$
$y = -66$

11. $t - 162 = 438$
$t = 600$

12. $10 - y = 12$
$y = -2$

13. $180 = 173 - k$
$k = -7$

14. $g - 280 = 283$
$g = 563$

15. $200 = -h + 199$
$h = -1$

16. $-135 - x = 140$
$x = -275$

17. $-318 + p = 304$
$p = 622$

18. $19 = 19 - x$
$x = 0$

19. $222 = -888 + m$
$m = 1,110$

20. $245 = 230 + d$
$d = 15$

ANSWERS FOR ALL 3 PAGES