

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.

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

$$\begin{array}{r} 1. \quad r - 27 = 58 \\ \quad +27 = +27 \\ \hline r - 0 = 85 \\ r = 85 \end{array}$$

$$\begin{array}{r} 2. \quad 89 = g + 35 \\ \quad -35 = -35 \\ \hline 54 = g + 0 \\ 54 = g \end{array}$$

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

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

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

$$\begin{array}{r} 1. \quad 56 + p = 482 \\ \quad -56 = -56 \\ \hline 0 + p = 426 \\ p = 426 \end{array}$$

$$\begin{array}{r} 2. \quad -32 + r = 68 \\ \quad +32 = +32 \\ \hline 0 + r = 100 \\ r = 100 \end{array}$$

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.

$$\begin{array}{r} 1. \quad 15 - d = 23 \\ \quad -15 = -15 \\ \hline 0 - d = 8 \\ -d = 8 \\ \quad -d = 8 \\ \quad d = -8 \end{array}$$

$$\begin{array}{r} 2. \quad 12 = -13 - x \\ \quad +13 = +13 \\ \hline 25 = 0 - x \\ 25 = -x \\ \quad -25 = -x \\ \quad -25 = x \end{array}$$

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

$$\begin{array}{l} 15 - d = 23 \\ 15 - (-8) = 23 \\ 15 + 8 = 23 \\ 23 = 23 \end{array}$$

$$\begin{array}{l} 12 = -13 - x \\ 12 = -13 - (-25) \\ 12 = -13 + 25 \\ 12 = 12 \end{array}$$

SOLVE EACH EQUATION

3. $-b - 28 = 34$
 $b = -62$

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