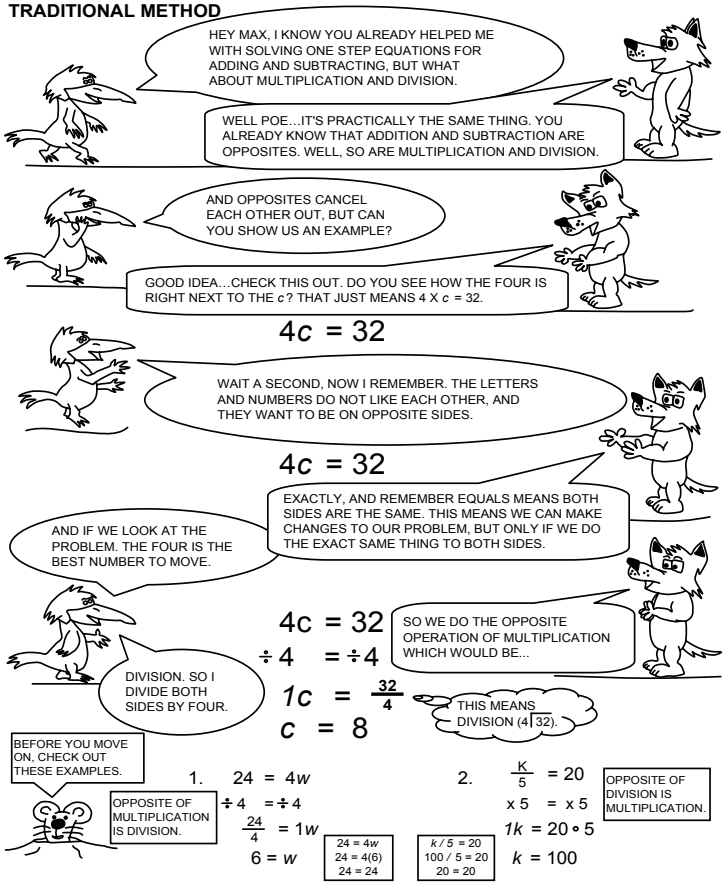
SOLVING ONE STEP EQUATIONS (MULTIPLY / DIVIDE) *ANSWERS - PAGE 1*

TRADITIONAL METHOD



BEFORE YOU MOVE ON, CHECK OUT THESE EXAMPLES.

OPPOSITE OF MULTIPLICATION IS DIVISION.

1. $24 = 4w$
$\div 4 = \div 4$
$\frac{24}{4} = 1w$
$6 = w$

24 = 4w
24 = 4(6)
24 = 24

2. $\frac{K}{5} = 20$
$\times 5 = \times 5$
$1k = 20 \circ 5$
$k = 100$

k / 5 = 20
100 / 5 = 20
20 = 20

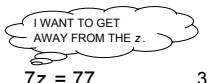
OPPOSITE OF DIVISION IS MULTIPLICATION.

SOLVING ONE STEP EQUATIONS PRACTICE - A *ANSWERS - PAGE 2*

WHEN YOU MULTIPLY $\frac{t}{3}$ BY 3, IT CANCELS OUT THE 3's AND MAKES 1.

1. $15 = \frac{t}{3}$
$\times 3 = \times 3$
$3 \circ 15 = 1t$
$45 = t$

15 = t / 3
15 = 45 / 3
15 = 15



I WANT TO GET AWAY FROM THE z.

2. $7z = 77$
$\div 7 = \div 7$
$\frac{7}{7} = 1$
$z = 11$

3. $\frac{1}{8} \times 8 = \frac{8}{8} = 1$
$\frac{r}{8} = 9$
$\times 8 = \times 8$
$r = 72$

SOLVE EACH EQUATION.

4. $11e = 121$
$e = 11$

5. $\frac{y}{4} = 14$
$y = 56$

6. $91 = 7g$
$g = 13$

7. $12 = \frac{t}{10}$
$t = 120$

8. $9h = 117$
$h = 13$

9. $\frac{p}{6} = 8$
$p = 48$

10. $88 = 4i$
$i = 22$

11. $303 = \frac{a}{3}$
$a = 909$

12. $3n = 909$
$n = 303$

13. $\frac{b}{16} = 8$
$b = 128$

14. $147 = 7u$
$u = 21$

15. $18 = \frac{x}{6}$
$x = 108$

16. $25v = 125$
$v = 5$

17. $\frac{r}{20} = 4$
$r = 80$

18. $154 = 11y$
$y = 14$

19. $21 = \frac{c}{7}$
$c = 147$

20. $\frac{d}{42} = 6$
$d = 252$

21. $13y = 169$
$y = 13$

22. $99 = 3j$
$j = 33$

23. $8u = 440$
$u = 55$

24. $522 = \frac{s}{9}$
$s = 4{,}698$

SOLVING ONE STEP EQUATIONS PRACTICE - B *ANSWERS - PAGE 3*

CHECK THESE OUT. AFTER YOU MOVE THE NUMBER, THERE IS A NEGATIVE STILL NEXT TO THE VARIABLE. YOU HAVE TO MOVE IT TOO.

1. $9 = -\frac{t}{5}$
$\times 5 = \times 5$
$5 \circ 9 = -1t$
$-45 = t$
$-45 = t$

THE OPPOSITE OPERATION CANCELS OUT THE NUMBER NEXT TO THE VARIABLE.

SEE IF YOUR ANSWER MAKES SENSE.	9 = - t / 5 9 = - (- 45) / 5 9 = + 45 / 5 9 = 9

2. $-9f = 99$
$\div 9 = \div 9$
$-1f = \frac{99}{9}$
$-f = 11$
$f = -11$

MOVE THE NEGATIVE TO THE OTHER SIDE.

SEE IF YOUR ANSWER MAKES SENSE.	- 9f = 99 - 9 (- 11) = 99 + 99 = 99

SOLVE EACH EQUATION.

3. $12 = -\frac{w}{6}$
$w = -72$

4. $\frac{y}{10} = 30$
$y = 300$

5. $-7u = 119$
$u = -17$

6. $32 = \frac{t}{4}$
$t = 128$

7. $-13r = 195$
$r = -15$

8. $-\frac{f}{2} = 18$
$f = -36$

9. $8s = 336$
$s = 42$

10. $\frac{y}{3} = 36$
$y = 108$

11. $240 = -12n$
$n = -20$

12. $-\frac{a}{11} = 77$
$a = -847$

13. $198 = -6z$
$z = -33$

14. $40 = -\frac{k}{8}$
$k = -320$

15. $330 = 15b$
$b = 22$

16. $100 = \frac{e}{10}$
$e = 1{,}000$

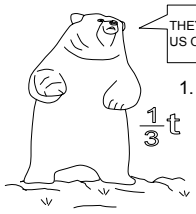
17. $-8n = 40$
$n = -5$

18. $21e = 462$
$e = 22$

19. $-\frac{x}{12} = 72$
$x = -864$

20. $72 = 12y$
$y = 6$

SOLVING ONE STEP EQUATIONS PRACTICE - C *ANSWERS - PAGE 4*



THEY'RE TRYING TO TRICK US ON THESE PROBLEMS.

1. $15 = \frac{1}{3}t$

$\frac{1}{3}t$ IS THE SAME AS $\frac{t}{3}$

$15 = \frac{t}{3}$
$\times 3 = \times 3$
$3 \circ 15 = 1t$
$45 = t$

IF YOU WERE CONFUSED

$1t = t$ AND $1f = f$

2. $-\frac{1}{3}t = 15$

$-\frac{1}{3}t$ IS THE SAME AS $-\frac{t}{3}$

$-\frac{t}{3} = 15$
$\times 3 = \times 3$
$-1f = 45$
$f = -45$

SOLVE EACH EQUATION.

3. $\frac{1}{7}g = 14$
$g = 98$

4. $-13u = 234$
$u = -18$

5. $60 = -\frac{1}{6}f$
$f = -360$

6. $7s = 126$
$s = 18$

7. $-\frac{x}{5} = 20$
$x = -100$

8. $49 = -7p$
$p = -7$

9. $182 = 13m$
$m = 14$

10. $36 = -\frac{1}{9}b$
$b = -324$

11. $-11y = 110$
$y = -10$

12. $-\frac{1}{2}u = 10$
$u = -20$

13. $224 = 7e$
$e = 32$

14. $40 = \frac{c}{5}$
$c = 200$

15. $-\frac{1}{11}r = 55$
$r = -605$

16. $28 = -\frac{d}{7}$
$d = -196$

17. $15y = 120$
$y = 8$

18. $200 = 25j$
$j = 8$

19. $30 = -\frac{1}{6}s$
$s = -180$

20. $-5y = 140$
$y = -28$