# Solving One-Step Equations x/÷

Solving a one-step equation with integers requires you to create zero pairs to isolate the variable.

## Examples:

#1     Solve:     -2x = 12          Check:     -2x = 12

$\phantom{xxxxxxxxx}$ ÷-2    ÷-2 $\phantom{xxxxxxxx}$ -2(-6) = -12

$\phantom{xxxxxxxxxx}$ x = -6 $\phantom{xxxxxxxxxxxx}$ -12 = -12 ✓

#2     Solve:     $\frac{x}{-5}$ = -7          Check:     $\frac{x}{-5}$ = -7

$\phantom{xxxxx}$ (-5) $\frac{x}{-5}$ = -7 (-5) $\phantom{xxxxx}$ $\frac{-35}{-5}$ = -7

$\phantom{xxxxxxxxxx}$ x = 35 $\phantom{xxxxxxxxxxx}$ --7 = -7 ✓

## You Try!

**Solve each equation.  Don't forget to check your answer.**

| Solve | Check |
|---|---|
| 1) $\frac{x}{5} = -2$ | |
| 2)  -40 = -5p | |
| 3)  $-2 = \frac{m}{16}$ | |
| 4)  -11k = 22 | |
| 5)  $\frac{a}{29} = 5$ | |
| 6)  -22a = -418 | |

# Mixed Operation Practice
*Add, Subtract, Multiply or Divide.*

1 ) 4 - 19 =

2 ) -1820 ÷ (-20) =

3 ) -44 + (-95) =

4 ) 38 - 54 =

5 ) 82 • 86 =

6 ) -3675 ÷ (-75) =

7 ) -14 - 2 =

8 ) 46 - 60 =

9 ) 82 • 65 =

10) 56 • (-41) =

11) 13 • 62 =

12) 57 • (-7) =

13) -1860 ÷ (-31) =

14) 74 - (-78) =

15) 80 + 63 =

16) 43 • (-79) =

17) 31 + (-60) =

18) -6 + 64 =

19) 17 + 89 =

20) 5 - 8 =

21) 7161 ÷ (-77) =

22) 38 + 53 =

23) -56 • (-55) =

24) -1260 ÷ (-30) =

25) -18 - 98 =

26) 71 • 77 =

27) 1610 ÷ 46 =

28) 56 + (-20) =

29) 47 + (-88) =

30) -168 ÷ 2 =