

Name : _____

LESSON 1

DEVELOPING

One-Step Equations: Integers

Add/Sub Level 1: S3

Solve each equation.

$$1) \quad 3 + u = 9$$

$$2) \quad 12 = a + 7$$

$$3) \quad 13 = c - 6$$

$$4) \quad p - 4 = 0$$

$$5) \quad 16 = s + 1$$

$$6) \quad v + 5 = 12$$

$$7) \quad w - 8 = 4$$

$$8) \quad 2 + t = 3$$

$$9) \quad 7 = 4 + g$$

$$10) \quad b - 10 = 1$$

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One-Step Equations: Integers

Mul/Div Level 1: S3

Solve each equation.

$$1) \quad 9y = 81$$

$$2) \quad 8u = 48$$

$$3) \quad \frac{c}{16} = 1$$

$$4) \quad 3 = \frac{m}{10}$$

$$5) \quad 77 = 11v$$

$$6) \quad 96 = 12b$$

$$7) \quad 6w = 60$$

$$8) \quad \frac{k}{5} = 13$$

$$9) \quad 8 = \frac{x}{3}$$

$$10) \quad 12 = 3n$$

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One-Step Equations: Integers

Mixed Operations Level 1: S1

Solve each equation.

$$1) \quad 10 = z + 6$$

$$2) \quad 8y = 48$$

$$3) \quad q - 12 = 1$$

$$4) \quad 18 = \frac{a}{2}$$

$$5) \quad \frac{r}{3} = 7$$

$$6) \quad 11 = m - 4$$

$$7) \quad t - 19 = 2$$

$$8) \quad 1 + s = 3$$

$$9) \quad 24 = 4c$$

$$10) \quad \frac{v}{5} = 9$$

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One-Step Equations: Integers

Mixed Operations Level 1: 52

Solve each equation.

$$1) \quad 3 = n - 4$$

$$2) \quad 11 = 2 + x$$

$$3) \quad \frac{c}{4} = 9$$

$$4) \quad 36 = 6y$$

$$5) \quad 2 + z = 12$$

$$6) \quad \frac{s}{11} = 3$$

$$7) \quad p - 3 = 15$$

$$8) \quad 7 = \frac{k}{9}$$

$$9) \quad 6 = 5 + m$$

$$10) \quad 2q = 10$$

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LESSON 1

PROFICIENT

One-Step Equations: Integers

Mixed Operations Level 2: 52

Solve each equation.

$$1) -\frac{s}{4} = -2$$

$$2) -3 = \frac{p}{2}$$

$$3) r + 5 = -10$$

$$4) 6 = -3 + b$$

$$5) k - 1 = 11$$

$$6) -4u = 7$$

$$7) 2 = -18w$$

$$8) -\frac{m}{3} = 5$$

$$9) x + 2 = 14$$

$$10) 56 = 8t$$

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One-Step Equations: Integers

Mixed Operations Level 2: 53

Solve each equation.

$$1) \quad 40 = -10c$$

$$2) \quad -2 + m = 8$$

$$3) \quad w + 3 = -6$$

$$4) \quad 7 = \frac{t}{3}$$

$$5) \quad -3 + x = -8$$

$$6) \quad -\frac{a}{6} = 4$$

$$7) \quad 6k = 11$$

$$8) \quad v - 4 = 8$$

$$9) \quad -\frac{u}{8} = 8$$

$$10) \quad -5 = b - 2$$

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One-Step Equations: Fractions

Mixed Operations Level 1: S3

Solve each equation.

$$1) \frac{d}{\left(\frac{3}{2}\right)} = \frac{4}{9}$$

$$2) t + \frac{7}{8} = \frac{9}{8}$$

$$3) -\frac{3}{2} = q - \frac{9}{2}$$

$$4) -\frac{5}{6}v = \frac{1}{6}$$

$$5) \frac{1}{5} = \frac{4}{3}a$$

$$6) \frac{8}{5} = r - \frac{4}{5}$$

$$7) -\frac{5}{2}c = -\frac{6}{5}$$

$$8) -\frac{9}{4} = \frac{u}{\left(\frac{1}{6}\right)}$$

$$9) -\frac{2}{7} = y + \frac{4}{7}$$

$$10) k - \frac{1}{3} = \frac{2}{3}$$

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One-Step Equations: Decimals

Mixed Operations: S3

Solve each equation.

$$1) \quad q - 0.5 = -3.7$$

$$2) \quad 5k = 2.5$$

$$3) \quad -2 = -\frac{a}{1.9}$$

$$4) \quad n + 10 = 7.7$$

$$5) \quad z - 1.5 = 6$$

$$6) \quad 4.8 = 1.2m$$

$$7) \quad t + 5 = 9.3$$

$$8) \quad p - 4.9 = -2.1$$

$$9) \quad \frac{b}{4} = 0.8$$

$$10) \quad -8.28 = 9.2u$$

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LESSON 1

EXTENDING

One-Step Equations

Mixed Operations: 52

Solve each equation.

1) $v - 10 = 12$

2) $\frac{x}{6} = -5$

3) $-\frac{k}{4.25} = -9.2$

4) $s - \frac{3}{8} = \frac{5}{8}$

5) $\frac{3}{7} = \frac{9}{7}u$

6) $3.8 = m - 0.8$

7) $-4.2 = 5.2 + t$

8) $\frac{1}{3} = \frac{w}{\left(3\frac{1}{4}\right)}$

9) $-64 = 8r$

10) $z + \frac{6}{5} = -\frac{8}{3}$

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One-Step Equations

Mixed Operations: S3

Solve each equation.

$$1) \quad \frac{4}{5} = -2\frac{1}{5}v$$

$$2) \quad w + 4.4 = 5.3$$

$$3) \quad -2.6 = -\frac{p}{3.5}$$

$$4) \quad \frac{u}{3} = 8$$

$$5) \quad 5a = 5$$

$$6) \quad -10 = 2 + s$$

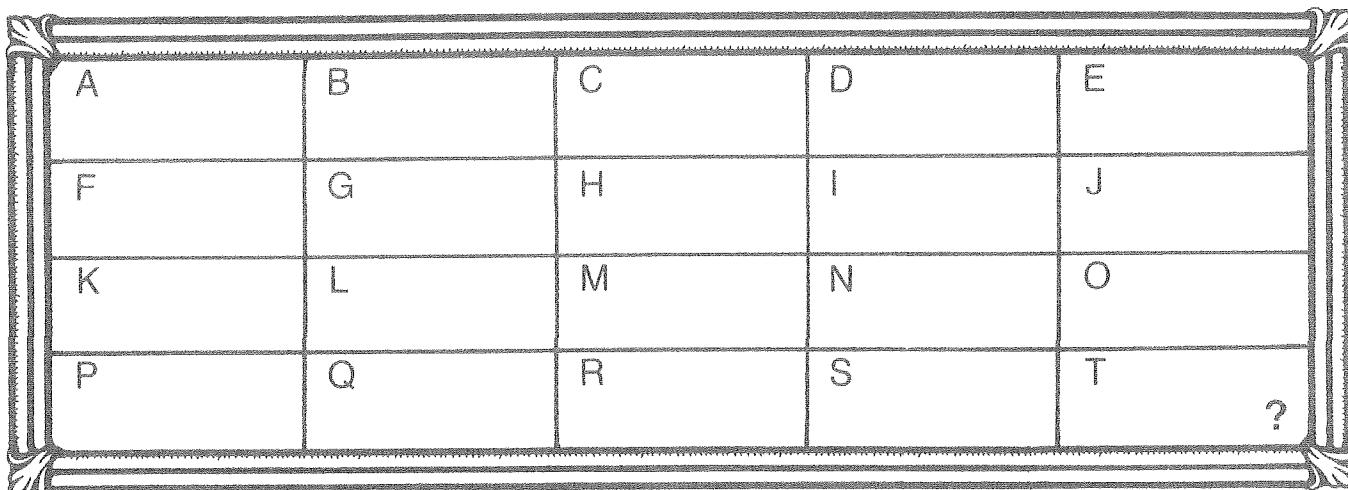
$$7) \quad m - \frac{5}{4} = \frac{1}{3}$$

$$8) \quad 3.55 = -7.1q$$

$$9) \quad k - 6 = -9$$

$$10) \quad \frac{8}{5} + b = \frac{7}{2}$$

DID YOU HEAR ABOUT . . .



Solve each equation below. Find the solution in the appropriate answer column and notice the word next to it. Write this word in the box containing the letter of that exercise. Keep working and you'll hear about something that is really "fur" out!

Answers A–J:

19 BIG	
16 A	
-18 WHO	
-2 MORE	
32 THE	
7 THOUSAND	
-25 ON	
27 FUR	
55 LADY	
3 TEN	
41 WAS	
-70 SPENT	
-11 DOLLARS	

- | | |
|--------------------------|------------------------------------|
| (A) $\frac{1}{8}x = 4$ | (K) $-72 = 8x$ |
| (B) $\frac{1}{5}x = 11$ | (L) $\frac{1}{4}w = 16$ |
| (C) $\frac{1}{9}y = -2$ | (M) $13 = -\frac{1}{6}y$ |
| (D) $\frac{1}{2}m = -35$ | (N) $-18 = -\frac{1}{2}y$ |
| (E) $6p = 18$ | (O) $\frac{1}{2}r = \frac{5}{2}$ |
| (F) $12t = 84$ | (P) $-\frac{1}{3}t = \frac{4}{3}$ |
| (G) $3x = -33$ | (Q) $-\frac{3}{4} = -\frac{1}{8}x$ |
| (H) $-4n = 100$ | (R) $11u = -88$ |
| (I) $-3u = -48$ | (S) $400 = -20w$ |
| (J) $54 = 2v$ | (T) $58x = 580$ |

Answers K–T:

-78 SHE	
-20 IN	
-1 IT	
-9 COAT	
5 TO	
6 THE	
36 WANTED	
-8 MISS	
-4 BE	
64 BECAUSE	
30 WARM	
10 LYNX	
-14 MINK	

SIGN UP

1. Sign on a waterbed:

$\frac{3}{8}$	-72	$\frac{2}{15}$	$-\frac{2}{3}$	$-10\frac{1}{2}$	-7	$-\frac{2}{7}$	$-2\frac{6}{7}$	$-6\frac{2}{3}$	-72	$\frac{2}{15}$	$4\frac{4}{9}$	$-\frac{1}{10}$	$-10\frac{1}{2}$	18	$-8\frac{1}{3}$	$-\frac{2}{7}$
$-\frac{1}{3}$	$-7\frac{1}{2}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-1\frac{1}{10}$	$-\frac{2}{7}$	-7	$-2\frac{6}{7}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-\frac{1}{3}$	-45	$2\frac{1}{3}$	$-\frac{2}{7}$	$\frac{2}{15}$

2. Sign on a chicken incubator:

$-\frac{1}{3}$	$-7\frac{1}{2}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-1\frac{1}{10}$	$-\frac{2}{7}$	-7	$-2\frac{6}{7}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-\frac{2}{7}$	$-\frac{1}{3}$	-45	$2\frac{1}{3}$	$-\frac{2}{7}$	$\frac{2}{15}$
$4\frac{1}{4}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{2}{3}$	$-\frac{1}{3}$	-45	$2\frac{1}{3}$	$-\frac{2}{7}$	$\frac{2}{15}$

TO DECODE THESE TWO SIGNS:

Solve each equation below and find your solution in the code. Each time the solution appears, write the letter of that exercise above it. Enjoy the "signery"!

(R) $-8x = 56$ (G) $-40 = m - 10m$ (L) $-4x = 42$

(O) $\frac{1}{5}n = -9$ (A) $\frac{2}{3}y = 12$ (Z) $-35 = -15p$

(I) $24 = -\frac{1}{3}t$ (T) $\frac{3}{5}x = -4$ (Y) $\frac{3}{4}y = -\frac{1}{2}$

(B) $4r = 17$ (D) $-\frac{3}{2}d = 8$ (N) $\frac{5}{3}u = \frac{2}{9}$

(S) $-7w = 20$ (V) $5 = \frac{4}{7}w$ (E) $-\frac{7}{8}m = \frac{1}{4}$

(C) $8t - 5t = -25$ (H) $-3 = \frac{2}{5}v$ (P) $4x - 9x = \frac{11}{2}$