

One-Step Equations: Integers

Solve each equation.

$$\begin{array}{r} 1) \quad \cancel{z} + u = 9 \\ \quad \quad \cancel{-8} \quad \vdots \quad \cancel{-3} \\ \hline \boxed{u = 6} \end{array}$$

$$\begin{array}{r} 2) \quad 12 = a + \cancel{7} \\ \quad \quad \cancel{-7} \quad \vdots \quad \cancel{-7} \\ \hline \boxed{5 = a} \end{array}$$

$$\begin{array}{r} 3) \quad 13 = c - \cancel{6} \\ \quad \quad \cancel{+6} \quad \vdots \quad \cancel{+6} \\ \hline \boxed{19 = c} \end{array}$$

$$\begin{array}{r} 4) \quad p - \cancel{4} = 0 \\ \quad \quad \cancel{+4} \quad \vdots \quad \cancel{+4} \\ \hline \boxed{p = 4} \end{array}$$

$$\begin{array}{r} 5) \quad 16 = s + \cancel{1} \\ \quad \quad \cancel{-1} \quad \vdots \quad \cancel{-1} \\ \hline \boxed{15 = s} \end{array}$$

$$\begin{array}{r} 6) \quad v + \cancel{5} = 12 \\ \quad \quad \cancel{-5} \quad \vdots \quad \cancel{-5} \\ \hline \boxed{v = 7} \end{array}$$

$$\begin{array}{r} 7) \quad w - \cancel{8} = 4 \\ \quad \quad \cancel{+8} \quad \vdots \quad \cancel{+8} \\ \hline \boxed{w = 12} \end{array}$$

$$\begin{array}{r} 8) \quad \cancel{z} + t = 3 \\ \quad \quad \cancel{-2} \quad \vdots \quad \cancel{-2} \\ \hline \boxed{t = 1} \end{array}$$

$$\begin{array}{r} 9) \quad 7 = \cancel{4} + g \\ \quad \quad \cancel{-4} \quad \vdots \quad \cancel{-4} \\ \hline \boxed{3 = g} \end{array}$$

$$\begin{array}{r} 10) \quad b - \cancel{10} = 1 \\ \quad \quad \cancel{+10} \quad \vdots \quad \cancel{+10} \\ \hline \boxed{b = 11} \end{array}$$

Name: _____

One-Step Equations: Integers

Mul/Div Level 1: S3

Solve each equation.

$$1) \frac{\cancel{9}y}{\cancel{9}} = \frac{81}{\cancel{9}}$$

$$y = 9$$

$$2) \frac{\cancel{8}u}{\cancel{8}} = \frac{48}{\cancel{8}}$$

$$u = 6$$

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

$\times \cancel{16} \quad \times \cancel{16}$

$$c = 16$$

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

$\times \cancel{10} \quad \times \cancel{10}$

$$30 = m$$

$$5) \frac{77}{\cancel{11}} = \frac{11v}{\cancel{11}}$$

$$7 = v$$

$$6) \frac{96}{\cancel{12}} = \frac{12b}{\cancel{12}}$$

$$8 = b$$

$$7) \frac{\cancel{6}w}{\cancel{6}} = \frac{60}{\cancel{6}}$$

$$w = 10$$

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

$\times \cancel{5} \quad \times 5$

$$k = 65$$

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

$\times 3 \quad \times 3$

$$24 = x$$

$$10) \frac{12}{\cancel{3}} = \frac{3n}{\cancel{3}}$$

$$4 = n$$

One-Step Equations: Integers

Solve each equation.

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

$$-6 \quad | \quad -6$$

$$\boxed{4 = z}$$

$$2) \quad \frac{8y}{8} \mp 48$$

$$\cancel{8} \quad | \quad \cancel{8}$$

$$\boxed{y = 6}$$

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

$$+ 12 \quad | \quad + 12$$

$$\boxed{q = 13}$$

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

$$\times 2 \quad | \quad \times 2$$

$$\boxed{36 = a}$$

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

$$\times 3 \quad | \quad \times 3$$

$$\boxed{r = 21}$$

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

$$+ 4 \quad | \quad + 4$$

$$\boxed{15 = m}$$

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

$$+ 19 \quad | \quad + 19$$

$$\boxed{t = 21}$$

$$8) \quad 7 + s \mp 3$$

$$- 7 \quad | \quad - 7$$

$$\boxed{s = 2}$$

$$9) \quad \frac{24}{4} \mp \frac{c}{4}$$

$$\quad \quad | \quad \quad \quad$$

$$\boxed{6 = c}$$

$$10) \quad \frac{v}{8} \mp 9$$

$$\times 8 \quad | \quad \times 8$$

$$\boxed{v = 45}$$

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One-Step Equations: Integers

Mixed Operations Level 1: S2

Solve each equation.

$$1) \quad 3 \overset{|}{\cancel{-}} n \overset{|}{\cancel{-}} 4$$

$$+4 \overset{|}{\cancel{+}} \quad +4 \overset{|}{\cancel{+}}$$

$$\boxed{7 = n}$$

$$2) \quad 11 \overset{|}{\cancel{-}} 2 \overset{|}{\cancel{+}} x$$

$$-2 \overset{|}{\cancel{-}} \quad -2 \overset{|}{\cancel{-}}$$

$$\boxed{9 = x}$$

$$3) \quad \frac{c}{4} \overset{|}{\cancel{+}} 9$$

$$\times 4 \overset{|}{\cancel{\times}} \quad \times 4 \overset{|}{\cancel{\times}}$$

$$\boxed{c = 36}$$

$$4) \quad \frac{36}{6} \overset{|}{\cancel{=}} y$$

$$\times 6 \overset{|}{\cancel{\times}} \quad \times 6 \overset{|}{\cancel{\times}}$$

$$\boxed{6 = y}$$

$$5) \quad 2 \overset{|}{\cancel{+}} z \overset{|}{\cancel{+}} 12$$

$$-2 \overset{|}{\cancel{-}} \quad -2 \overset{|}{\cancel{-}}$$

$$\boxed{z = 10}$$

$$6) \quad \frac{s}{11} \overset{|}{\cancel{+}} 3$$

$$\times 11 \overset{|}{\cancel{\times}} \quad \times 11 \overset{|}{\cancel{\times}}$$

$$\boxed{s = 33}$$

$$7) \quad p \overset{|}{\cancel{-}} 3 \overset{|}{\cancel{+}} 15$$

$$+3 \overset{|}{\cancel{+}} \quad +3 \overset{|}{\cancel{+}}$$

$$\boxed{p = 18}$$

$$8) \quad 7 \overset{|}{\cancel{\pm}} \frac{k}{9}$$

$$\times 9 \overset{|}{\cancel{\times}} \quad \times 9 \overset{|}{\cancel{\times}}$$

$$\boxed{63 = k}$$

$$9) \quad 6 \overset{|}{\cancel{-}} 5 \overset{|}{\cancel{+}} m$$

$$-5 \overset{|}{\cancel{-}} \quad -5 \overset{|}{\cancel{-}}$$

$$\boxed{1 = m}$$

$$10) \quad \frac{2q}{2} \overset{|}{\cancel{+}} 10$$

$$\times 2 \overset{|}{\cancel{\times}} \quad \times 2 \overset{|}{\cancel{\times}}$$

$$\boxed{q = 5}$$

Name: _____

LESSON 1

PROFICIENT

One-Step Equations: Integers

Mixed Operations Level 2: 52

Solve each equation.

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

$\times(-4) \quad \times(-4)$

$$s = 8$$

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

$\times 2 \quad \times 2$

$$-6 = p$$

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

$-5 \quad -5$

$$r = -15$$

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

$+3 \quad +3$

$$9 = b$$

$$5) \quad k - 1 = 11$$

$+1 \quad +1$

$$k = 12$$

$$6) \quad \frac{-4u}{-4} = \frac{7}{-4}$$

$$u = -\frac{7}{4} = -1\frac{3}{4}$$

$$7) \quad \frac{2}{-18} = \frac{-18w}{-18}$$

$$-\frac{1}{9} = w$$

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

$\times(-3) \quad \times(-3)$

$$m = -15$$

$$9) \quad x + 2 = 14$$

$-2 \quad -2$

$$x = 12$$

$$10) \quad \frac{56}{8} = \frac{8t}{8}$$

$$7 = t$$

Name: _____

One-Step Equations: Integers

Mixed Operations Level 2: S3

Solve each equation.

$$1) \quad \frac{40}{-10} = \frac{-10c}{-10}$$

$$\boxed{-4 = c}$$

$$2) \quad \frac{-2}{+2} + m = 8$$

$$\boxed{m = 10}$$

$$3) \quad w + \frac{3}{-3} = -6$$

$$\boxed{w = -9}$$

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

$$\boxed{21 = t}$$

$$5) \quad \frac{-3}{+3} + x = -8$$

$$\boxed{x = -5}$$

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

$$\boxed{a = -24}$$

$$7) \quad \frac{k}{6} = \frac{11}{6}$$

$$\boxed{k = \frac{11}{6} = 1\frac{5}{6}}$$

$$8) \quad v - \frac{4}{+4} = 8$$

$$\boxed{v = 12}$$

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

$$\times(-8) \times(-8)$$

$$\boxed{u = -64}$$

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

$$\boxed{-3 = b}$$

One-Step Equations: Fractions

Solve each equation.

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

$$\times \frac{2}{2} \quad \times \frac{3}{3}$$

$$d = \frac{2}{3}$$

$$2) \quad t + \frac{7}{8} = \frac{9}{8} \quad \frac{9}{8} - \frac{7}{8} = \frac{2}{8} = \frac{1}{4}$$

$$-\frac{7}{8} \quad -\frac{7}{8}$$

$$t = \frac{1}{4}$$

$$3) \quad -\frac{3}{2} = q - \frac{9}{2} \quad -\frac{3}{2} + \frac{9}{2} = \frac{6}{2} = 3$$

$$+\frac{9}{2} \quad +\frac{9}{2}$$

$$3 = q$$

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

$$\frac{-\frac{5}{6}}{-\frac{5}{6}} \quad \frac{\frac{1}{6}}{-\frac{5}{6}}$$

$$v = -\frac{1}{5}$$

$$5) \quad \frac{1}{5} = \frac{4}{3}a \quad \frac{1}{5} \div \frac{4}{3} = \frac{1}{5} \times \frac{3}{4} = \frac{3}{20}$$

$$\frac{\frac{1}{5}}{\frac{4}{3}} \quad \frac{\frac{4}{3}}{\frac{4}{3}}$$

$$a = \frac{3}{20}$$

$$6) \quad \frac{8}{5} = r - \frac{4}{5} \quad \frac{8}{5} + \frac{4}{5} = \frac{12}{5}$$

$$+\frac{4}{5} \quad +\frac{4}{5}$$

$$r = \frac{12}{5} = 2\frac{2}{5}$$

$$7) \quad -\frac{5}{2}c = -\frac{6}{5} \quad -\frac{6}{5} \div \frac{5}{2} = -\frac{6}{5} \times \frac{2}{5} = -\frac{12}{25}$$

$$\frac{-\frac{5}{2}}{-\frac{5}{2}} \quad \frac{-\frac{6}{5}}{-\frac{5}{2}}$$

$$c = \frac{12}{25}$$

$$8) \quad -\frac{9}{4} = \frac{u}{\left(\frac{1}{6}\right)} \quad -\frac{9}{4} \times \frac{1}{6} = -\frac{3}{8}$$

$$\times \frac{1}{6} \quad \frac{\left(\frac{1}{6}\right)}{\frac{1}{6}}$$

$$u = -\frac{3}{8}$$

$$9) \quad -\frac{2}{7} = y + \frac{4}{7} \quad -\frac{2}{7} - \frac{4}{7} = -\frac{6}{7}$$

$$-\frac{4}{7} \quad -\frac{4}{7}$$

$$y = -\frac{6}{7}$$

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

$$+\frac{1}{3} \quad +\frac{1}{3}$$

$$k = 1$$

One-Step Equations: Decimals

Solve each equation.

$$1) \quad q - \cancel{0.5} = -3.7$$

$$\quad \quad \quad +0.5 \quad +0.5 \quad \quad \quad \frac{3.7}{-0.5}$$

$$\quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad -3.2$$

$$\boxed{q = -3.2}$$

$$2) \quad \cancel{8}k = \frac{2.5}{5}$$

$$\quad \quad \quad \frac{0.5}{2.5}$$

$$\quad \quad \quad \frac{-2.5}{0}$$

$$\boxed{k = 0.5}$$

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

$$\quad \quad \quad \times(-1.9) \quad \times(-1.9) \quad \quad \quad \frac{1.9}{3.8}$$

$$\boxed{a = 3.8}$$

$$4) \quad n + \cancel{10} = 7.7$$

$$\quad \quad \quad -\cancel{10} \quad -10 \quad \quad \quad \frac{10}{7.7}$$

$$\quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad -7.7$$

$$\quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad 2.3$$

$$\boxed{n = -2.3}$$

$$5) \quad z - \cancel{1.5} = 6$$

$$\quad \quad \quad +\cancel{1.5} \quad +1.5$$

$$\boxed{z = 7.5}$$

$$6) \quad \frac{4.8}{1.2} = \frac{\cancel{1}m}{\cancel{1}2}$$

$$\quad \quad \quad \frac{12}{48}$$

$$\quad \quad \quad \frac{-48}{0}$$

$$\boxed{m = 4}$$

$$7) \quad t + \cancel{5} = 9.3$$

$$\quad \quad \quad -\cancel{5} \quad -5$$

$$\boxed{t = 4.3}$$

$$8) \quad p - \cancel{4.9} = -2.1$$

$$\quad \quad \quad +\cancel{4.9} \quad +4.9 \quad \quad \quad \frac{4.9}{-2.1}$$

$$\quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad \quad 2.8$$

$$\boxed{p = 2.8}$$

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

$$\quad \quad \quad \times 4 \quad \quad \quad \times 4$$

$$\boxed{b = 3.2}$$

$$10) \quad \frac{-8.28}{9.2} = \frac{\cancel{9}u}{\cancel{9}2}$$

$$\quad \quad \quad \frac{9.3}{8.28}$$

$$\quad \quad \quad \frac{-8.28}{0}$$

$$\boxed{u = -0.9}$$

Name: _____

LESSON 1

EXTENDING

One-Step Equations

Mixed Operations: 52

Solve each equation.

1) $v - 10 = 12$
 $+10 \quad +10$

$v = 22$

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

$x = -30$

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

$$\begin{array}{r} 4.25 \\ \times 9.2 \\ \hline 850 \\ +38250 \\ \hline 39100 \end{array}$$

$k = 39.1$

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

$$\frac{5}{8} + \frac{3}{8} = \frac{8}{8} = 1$$

$s = 1$

5) $\frac{3}{7} = \frac{9}{7}u$
 $\frac{3 \div 3}{7 \div 3} = \frac{9 \div 3}{7 \div 3} \times \frac{1}{3} = \frac{1}{3}$

$u = \frac{1}{3}$

6) $3.8 = m - 0.8$
 $+0.8 \quad +0.8$

$m = 4.6$

7) $-4.2 = 5.2 + t$
 $-5.2 \quad -5.2$

$t = -9.4$

8) $\frac{1}{3} = \frac{w}{3\frac{1}{4}}$
 $\times 3\frac{1}{4} \quad \times 3\frac{1}{4}$

$$\frac{1}{3} \times \frac{13}{4} = \frac{13}{12} = 1\frac{1}{12}$$

$w = 1\frac{1}{12}$

9) $-\frac{64}{8} = \frac{8r}{8}$

$r = -8$

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

$$\frac{-8}{3} - \frac{6}{5} = \frac{-40}{15} - \frac{18}{15} = \frac{-58}{15} = -3\frac{13}{15}$$

$z = -3\frac{13}{15}$

Name: _____

One-Step Equations

Mixed Operations: 53

Solve each equation.

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

$$\frac{4}{5} \div \frac{1}{5} = -2 \frac{1}{5} \times \frac{5}{5} v$$

$$\frac{4}{1} = -2 \frac{1}{1} v$$

$$v = -\frac{4}{11}$$

$$\frac{4}{5} \div \frac{1}{5} = \frac{4}{1} \times \frac{5}{1} = \frac{20}{1}$$

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

$$-4.4 \quad -4.4$$

$$w = 0.9$$

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

$$\times (-3.5) \quad \times (-3.5)$$

$$p = 9.1$$

$$\begin{array}{r} 31 \\ 2.6 \\ \times 3.5 \\ \hline 130 \\ 780 \\ \hline 9.10 \end{array}$$

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

$$\times 3 \quad \times 3$$

$$u = 24$$

$$5) \quad \frac{7}{8} a = \frac{5}{5}$$

$$a = 1$$

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

$$-2 \quad -2$$

$$-12 = s$$

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

$$+ \frac{5}{4} \quad + \frac{5}{4}$$

$$m = 1 \frac{7}{12}$$

$$\frac{1}{3} + \frac{5}{4} = \frac{4}{12} + \frac{15}{12} = \frac{19}{12} = 1 \frac{7}{12}$$

$$8) \quad \frac{3.55}{-7.1} = \frac{-7.1q}{-7.1}$$

$$q = -0.5$$

$$\begin{array}{r} 0.5 \\ 7.1 \overline{) 3.55} \\ \underline{-3.55} \\ 0 \end{array}$$

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

$$+6 \quad +6$$

$$k = -3$$

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

$$-\frac{8}{5} \quad -\frac{8}{5}$$

$$b = 1 \frac{9}{10}$$

$$\frac{7}{2} - \frac{8}{5} = \frac{35}{10} - \frac{16}{10} = \frac{19}{10} = 1 \frac{9}{10}$$

DID YOU HEAR ABOUT ...

A The	B lady	C who	D spent	E ten
F thousand	G dollars	H on	I a	J fur
K coat	L because	M she	N wanted	O to
P be	Q the	R miss	S in	T lynx ?

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:

I	19	BIG
C	16	A
A	-18	WHO
F	-2	MORE
H	32	THE
J	7	THOUSAND
B	-25	ON
E	27	FUR
D	55	LADY
F	3	TEN
	41	WAS
	-70	SPENT
	-11	DOLLARS

Answers K–T:

(A) $\frac{1}{8}x = 4$ $x = 32$	(K) $-\frac{72}{8} = \frac{8x}{8}$ $x = -9$	-78	SHE	M
(B) $\frac{1}{5}x = 11$ $x = 55$	(L) $\frac{1}{4}w = 16$ $w = 64$	-20	IN	S
(C) $\frac{1}{9}y = -2$ $y = -18$	(M) $13 = -\frac{1}{6}y$ $y = -78$	-1	IT	
(D) $\frac{1}{2}m = -35$ $m = -70$	(N) $-18 = -\frac{1}{2}y$ $y = 36$	-9	COAT	K
(E) $\frac{6p}{6} = \frac{18}{6}$ $p = 3$	(O) $\frac{1}{2}r = \frac{5}{2}$ $r = 5$	5	TO	O
(F) $\frac{12t}{12} = \frac{84}{12}$ $t = 7$	(P) $-\frac{1}{3}t = \frac{4}{3}$ $t = -4$	6	THE	Q
(G) $\frac{3x}{3} = \frac{-33}{3}$ $x = -11$	(Q) $-\frac{3}{4} = -\frac{1}{8}x$ $x = 6$	36	WANTED	N
(H) $\frac{-4n}{-4} = \frac{100}{-4}$ $n = -25$	(R) $\frac{11u}{11} = \frac{-88}{11}$ $u = -8$	-8	MISS	R
(I) $\frac{-3u}{-3} = \frac{-48}{-3}$ $u = 16$	(S) $\frac{400}{-20} = \frac{-20w}{-20}$ $w = -20$	-4	BE	P
(J) $\frac{54}{2} = \frac{2v}{2}$ $v = 27$	(T) $\frac{58x}{58} = \frac{580}{58}$ $x = 10$	64	BECAUSE	L
		30	WARM	
		10	LYNX	T
		-14	MINK	

OBJECTIVE 4–d: To solve equations of the form $ax = b$, where a is an integer or unit fraction (solutions are integers).

SIGN UP

1. Sign on a waterbed:

V	I	N	Y	L
$8\frac{3}{4}$	-72	$\frac{2}{15}$	$-\frac{2}{3}$	$-10\frac{1}{2}$

R	E	S	T	I	N	G
-7	$-\frac{2}{7}$	$-2\frac{6}{7}$	$-6\frac{2}{3}$	-72	$\frac{2}{15}$	$\frac{4}{49}$

P	L	A	C	E
$-1\frac{1}{10}$	$-10\frac{1}{2}$	18	$-8\frac{1}{3}$	$-\frac{2}{7}$

2. Sign on a chicken incubator:

C	H	E	E	P	E	R	S
$-8\frac{1}{3}$	$-7\frac{1}{2}$	$\frac{2}{7}$	$-\frac{2}{7}$	$-1\frac{1}{10}$	$-\frac{2}{7}$	-7	$-2\frac{6}{7}$

B	Y
$4\frac{1}{4}$	$\frac{2}{-3}$

T	H	E
$-6\frac{2}{3}$	$-7\frac{1}{2}$	$\frac{2}{-7}$

D	O	Z	E	N
$-5\frac{1}{3}$	-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) $-\frac{8x}{-8} = \frac{56}{-8}$ $x = -7$ (G) $-40 = m - 10m$ $m = \frac{40}{9} = 4\frac{4}{9}$ (L) $\frac{-4x}{-4} = \frac{42}{-4}$ $x = \frac{-42}{4} = \frac{-21}{2} = -10\frac{1}{2}$
- (O) $\frac{1}{5}n = -9$ $n = -45$ (A) $\frac{2}{3}y = 12$ $\frac{6}{1} \times \frac{2}{3} \times \frac{1}{2} = 12$ $18 = y$ (Z) $\frac{-35}{-15} = \frac{-15p}{-15}$ $p = \frac{35}{15} = 2\frac{1}{3}$
- (I) $24 = -\frac{1}{3}t$ $t = -72$ (T) $\frac{3}{5}x = -4$ $\frac{-4}{5} \times \frac{5}{3} = \frac{-20}{3} = -6\frac{2}{3} = x$ (Y) $\frac{3}{4}y = -\frac{1}{2}$ $-\frac{1}{2} \times \frac{4}{3} = \frac{-4}{6} = \frac{-2}{3} = y$
- (B) $\frac{4r}{4} = \frac{17}{4}$ $r = \frac{17}{4} = 4\frac{1}{4}$ (D) $-\frac{3}{2}d = 8$ $\frac{8}{1} \times \frac{-2}{3} = \frac{-16}{3} = -5\frac{1}{3} = d$ (N) $\frac{5}{3}u = \frac{2}{9}$ $\frac{2}{9} \times \frac{3}{5} = \frac{6}{45} = \frac{2}{15} = u$
- (S) $\frac{-7u}{-7} = \frac{20}{-7}$ $u = \frac{-20}{7} = -2\frac{6}{7}$ (V) $5 = \frac{4}{7}w$ $\frac{5}{1} \times \frac{7}{4} = \frac{35}{4} = 8\frac{3}{4} = w$ (E) $-\frac{7}{8}m = \frac{1}{4}$ $\frac{1}{4} \times \frac{-8}{7} = \frac{-8}{28} = \frac{-2}{7} = m$
- (C) $8t - 5t = -25$ $3t = -25$ $t = \frac{-25}{3} = -8\frac{1}{3}$ (H) $-3 = \frac{2}{5}v$ $-\frac{3}{1} \times \frac{5}{2} = \frac{-15}{2} = -7\frac{1}{2} = v$ (P) $4x - 9x = \frac{11}{2}$ $-5x = \frac{11}{2}$ $-\frac{5x}{-5} = \frac{11}{-10} = -1\frac{1}{10} = x$