Addition and subtraction with 3 integers

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

1. Compute.

$4 - 6 - 7$

$4 - 6 - 7$
$= -2 - 7$
$= -9$

2. Compute.

$-3 + 1 + 9$

$-3 + 1 + 9$
$= -2 + 9$
$= 7$

3. Compute.

$6 - 7 - 2$

$6 - 7 - 2$
$= -1 - 2$
$= -3$

TOPIC ID: 1EV-C1	TOPIC TITLE: INTEGER ADDITION AND SUBTRACTION	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Integer multiplication and division

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

1. Evaluate the following.

(a) $-16 \div 2$ (b) $-4 \times (-5)$

(a) $-16 \div 2 = -(16 \div 2) = -8$

(b) $-4 \times (-5) = 4 \times 5 = 20$

2. Evaluate the following.

(a) -8×6 (b) $56 \div (-7)$

(a) $-8 \times 6 = -(8 \times 6) = -48$

(b) $56 \div (-7) = -(56 \div 7) = -8$

TOPIC ID: 2EV-C1	TOPIC TITLE: INTEGER MULTIPLICATION AND DIVISION	
NAME:	BLOCK: ALL	DATE:

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LEARNING PAPER EVIDENCE

Combining like terms: Integer coefficients

ELO PAPER EVIDENCE

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1. Simplify.

$-4a^2 + 8a^2$

$-4a^2 + 8a^2$
$= (-4 + 8)a^2$
$= 4a^2$

2. Simplify.

$-2x^2 - 12x^2$

$-2X^2 - 12X^2$
$= (-2 - 12)X^2$
$= -14X^2$

3. Simplify.

$2a - 7a$

$2a - 7a$
$= (2 - 7)a$
$= -5a$

TOPIC ID: 3EV-C1	TOPIC TITLE: COMBINING LIKE TERMS	
NAME:	BLOCK: ALL	DATE:

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LEARNING PAPER EVIDENCE

Distributive property: Integer coefficients

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

1. Remove the parentheses. Simplify.

$-(6u - v - 4)$

$-(6u - v - 4)$
$= (-1)(6u) + (-1)(-v) + (-1)(-4)$
$= -6u + v + 4$

2. Remove the parentheses. Simplify.

$(-3 + y + 4x)(-4)$

$(-3 + y + 4x)(-4)$
$= (-3)(-4) + y(-4) + (4x)(-4)$
$= 12 - 4y - 16x$

3. Remove the parentheses. Simplify.

$-7(-4u^2 + 4 - 3v)$

$-7(-4u^2 + 4 - 3v)$
$= (-7)(-4u^2) + (-7)(4) + (-7)(-3v)$
$= 28u^2 - 28 + 21v$

TOPIC ID: 4EV-C1	TOPIC TITLE: DISTRIBUTIVE PROPERTY	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Using two steps to solve an equation with whole numbers

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

(1) Solve for x. Simplify your answer as much as possible.

$$2x + 9 = 33$$

$2X + 9 - 9 = 33 - 9$

$2X = 24$

$\frac{2X}{2} = \frac{24}{2}$

$X = 12$

CHECK

$2(12) + 9 = 33$

(2) Solve for u. Simplify your answer as much as possible.

$$\frac{u}{5} - 14 = 29$$

$\frac{U}{5} - 14 + 14 = 29 + 14$

$\frac{U}{5} = 43$

$5\left(\frac{U}{5}\right) = 5(43)$

$U = 215$

CHECK

$\frac{215}{5} - 14 = 29$

TOPIC ID: 5EV-C1	TOPIC TITLE: TWO-STEP EQUATIONS: WHOLE NUMBERS	FORESTHILL HIGH SCHOOL
NAME:	BLOCK: ALL / DATE:	

LEARNING PAPER EVIDENCE

Solving a two-step equation with integers

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

(1) Solve for u. Simplify your answer as much as possible.

$$-13 = 2u - 7$$

$$-13 + 7 = 2u - 7 + 7$$

$$-6 = 2u$$

$$\frac{-6}{2} = \frac{2u}{2}$$

$$u = -3$$

CHECK

$$2(-3) - 7 = -13$$

(2) Solve for y. Simplify your answer as much as possible.

$$-13 = \frac{y}{4} - 5$$

$$-13 + 5 = \frac{y}{4} - 5 + 5$$

$$-8 = \frac{y}{4}$$

$$4(-8) = 4\left(\frac{y}{4}\right)$$

$$y = -32$$

CHECK

$$\frac{-32}{4} - 5 = -13$$

TOPIC ID: 6EV-C1	TOPIC TITLE: TWO-STEP EQUATIONS: INTEGERS	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Introduction to solving an equation with parentheses

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

(1) Solve for v. Simplify your answer as much as possible.

$$9(v - 2) = 27$$

$$\frac{9(v-2)}{9} = \frac{27}{9}$$

$$v - 2 = 3$$

$$v - 2 + 2 = 3 + 2$$

$$v = 5$$

CHECK

$$9(5 - 2) = 27$$

(2) Solve for y. Simplify your answer as much as possible.

$$2(3y - 7) = 34$$

$$\frac{2(3y-7)}{2} = \frac{34}{2}$$

$$3y - 7 = 17$$

$$3y - 7 + 7 = 17 + 7$$

$$3y = 24$$

$$\frac{3y}{3} = \frac{24}{3}$$

$$y = 8$$

CHECK

$$2(3(8) - 7) = 34$$

TOPIC ID: 7EV-C1	TOPIC TITLE: EQUATIONS WITH PARENTHESES	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Solving a linear equation with several occurrences of the variable: Variables on both sides

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

(1) Solve for x. Simplify your answer as much as possible.

$$8x - 11 = 6x - 5$$

$8X - 6X - 11 = 6X - 6X - 5$

$2X - 11 = -5$

$2X - 11 + 11 = -5 + 11$

$2X = 6$

$\frac{2X}{2} = \frac{6}{2}$

$X = 3$

CHECK

$8(3) - 11 = 13$

$6(3) - 5 = 13$

(2) Solve for x. Simplify your answer as much as possible.

$$2x + 5 = 4x + 13$$

$2X - 4X + 5 = 4X - 4X + 13$

$-2X + 5 = 13$

$-2X + 5 - 5 = 13 - 5$

$-2X = 8$

$\frac{-2X}{-2} = \frac{8}{-2}$

$X = -4$

CHECK

$2(-4) + 5 = -3$

$4(-4) + 13 = -3$

TOPIC ID: 8EV-C1	TOPIC TITLE: VARIABLES ON BOTH SIDES		
NAME:		BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Writing an equation of the form Ax + B = C to solve a word problem

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

1 Kareem sold t-shirts and hats at a festival. He made a $3 profit for each t-shirt he sold. He also made a profit of $45 from selling hats. If he made a total profit of $93, how many t-shirts did he sell?

(a) Let x represent the number of t-shirts. Write an equation that could be used to answer the question.

(b) Solve the equation to find the number of t-shirts.

X = NUMBER OF T-SHIRTS

(a) $3X + 45 = 93$

(b) $3X + 45 - 45 = 93 - 45$

$3X = 48$

$\frac{3X}{3} = \frac{48}{3}$

$X = 16$

16 T-SHIRTS.

CHECK

$3(16) + 45 = 93$

2 Josh has been saving $8 each week. Today he spent $142 of the savings, and he now has $50 left. For how many weeks has he been saving?

(a) Let w represent the number of weeks. Write an equation that could be used to answer the question.

(b) Solve the equation to find the number of weeks.

w = NUMBER OF WEEKS

(a) $8w - 142 = 50$

(b) $8w - 142 + 142 = 50 + 142$

$8w = 192$

$\frac{8w}{8} = \frac{192}{8}$

$w = 24$

24 WEEKS.

CHECK

$8(24) - 142 = 50$

TOPIC ID: 9EV-C1	TOPIC TITLE: MODELING WITH A TWO-STEP EQUATION	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Solving for a variable in terms of other variables using addition or subtraction with division

C1 | OCTOBER 20, 2026

ELO PAPER EVIDENCE

(1) Solve for x.

$$21x - 14y = 7$$

$21X - 14y + 14y = 7 + 14y$

$21X = 7 + 14y$

$\frac{21X}{21} = \frac{7 + 14y}{21}$

$X = \frac{1 + 2y}{3}$

(2) Solve for B.

$$A = 2B + C$$

$A - C = 2B + C - C$

$A - C = 2B$

$\frac{A - C}{2} = \frac{2B}{2}$

$B = \frac{A - C}{2}$

TOPIC ID: 10EV-C1	TOPIC TITLE: SOLVING FOR A VARIABLE	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Multiplicative property of inequality with integers

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

1. Solve the inequality for w.

$3w \leq -12$

$\frac{3w}{3} \leq \frac{-12}{3}$

$w \leq -4$

2. Solve the inequality for v.

$\frac{v}{5} \leq -10$

$5\left(\frac{v}{5}\right) \leq 5(-10)$

$v \leq -50$

3. Solve the inequality for w.

$20 < -4w$

$\frac{20}{-4} > \frac{-4w}{-4}$

$-5 > w$

$w < -5$

4. Solve the inequality for v.

$-9 \leq \frac{v}{-5}$

$(-5)(-9) \geq (-5)\left(\frac{v}{-5}\right)$

$45 \geq v$

$v \leq 45$

TOPIC ID: 23EV-C1	TOPIC TITLE: MULTIPLICATIVE PROPERTY OF INEQUALITY	
NAME:	BLOCK: ALL	DATE:

FORESTHILL HIGH SCHOOL

LEARNING PAPER EVIDENCE

Solving a word problem using a two-step linear inequality

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

(1) To rent a certain meeting room, a college charges a reservation fee of $17 and an additional fee of $6 per hour. The chemistry club wants to spend at most $89 on renting the room. What are the possible numbers of hours the chemistry club could rent the meeting room?

Use t for the number of hours. Write your answer as an inequality solved for t.

t = NUMBER OF HOURS

$17 + 6t \leq 89$

$17 + 6t - 17 \leq 89 - 17$

$6t \leq 72$

$\frac{6t}{6} \leq \frac{72}{6}$

$t \leq 12$

AT MOST 12 HOURS.

TIME: $t \geq 0$.

(2) Bill wants to earn at least $45 trimming trees. He charges $6 per hour and pays $3 in equipment fees. What are the possible numbers of hours Bill could trim trees?

Use t for the number of hours. Write your answer as an inequality solved for t.

t = NUMBER OF HOURS

$6t - 3 \geq 45$

$6t - 3 + 3 \geq 45 + 3$

$6t \geq 48$

$\frac{6t}{6} \geq \frac{48}{6}$

$t \geq 8$

AT LEAST 8 HOURS.

TOPIC ID: 24EV-C1	TOPIC TITLE: TWO-STEP INEQUALITY WORD PROBLEMS	FORESTHILL HIGH SCHOOL
NAME:	BLOCK: ALL / DATE:	

LEARNING PAPER EVIDENCE

Solving a compound linear inequality: Graph solution, basic

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

Solve each compound inequality. Graph each solution on the number line.

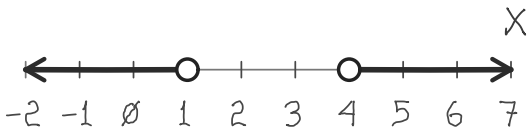
1 $3x - 6 < -3$ or $4x - 4 > 12$

$3X - 6 + 6 < -3 + 6$ OR $4X - 4 + 4 > 12 + 4$

$3X < 3$ OR $4X > 16$

$\frac{3X}{3} < \frac{3}{3}$ OR $\frac{4X}{4} > \frac{16}{4}$

$X < 1$ OR $X > 4$



2 $3x + 5 \geq 2$ and $4x + 1 < 17$

$3X + 5 - 5 \geq 2 - 5$ AND $4X + 1 - 1 < 17 - 1$

$3X \geq -3$ AND $4X < 16$

$\frac{3X}{3} \geq \frac{-3}{3}$ AND $\frac{4X}{4} < \frac{16}{4}$

$-1 \leq X < 4$



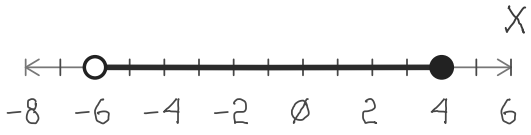
3 $-27 < 4x - 3 \leq 13$

$-27 + 3 < 4X - 3 + 3 \leq 13 + 3$

$-24 < 4X \leq 16$

$\frac{-24}{4} < \frac{4X}{4} \leq \frac{16}{4}$

$-6 < X \leq 4$



TOPIC ID: 25EV-C1	TOPIC TITLE: COMPOUND INEQUALITIES AND GRAPHS	FORESTHILL HIGH SCHOOL
NAME:	BLOCK: ALL DATE:	

LEARNING PAPER EVIDENCE

Writing and solving an absolute value inequality that models a real-world situation and interpreting the solution

ELO PAPER EVIDENCE

C1 | OCTOBER 20, 2026

For BOTH examples: (a) Write an absolute value inequality for the requested values. (b) Solve the inequality. (c) Graph the solution from part (b). (d) State the requested heights or amounts in words, with units.

1 The top platform of a zipline must be 7 yards high, plus or minus 1.5 yards, to pass inspection. Let x be its height in yards. Find the acceptable heights.

X = HEIGHT OF TOP PLATFORM (YARDS)

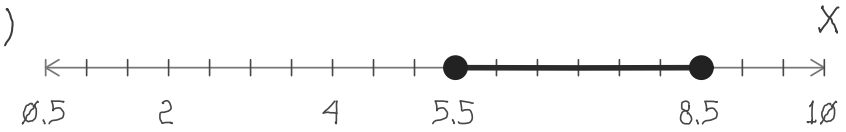
(a) $|X - 7| \leq 1.5$

(b) $-1.5 \leq X - 7 \leq 1.5$

$-1.5 + 7 \leq X - 7 + 7 \leq 1.5 + 7$

$5.5 \leq X \leq 8.5$

(c)



(d) AT LEAST 5.5 YARDS AND AT MOST 8.5 YARDS.

2 A can must contain 8.5 ounces of soup, plus or minus 1 ounce, to pass inspection. Otherwise, it fails. Let x be the amount of soup in ounces. Find the unacceptable amounts.

X = AMOUNT OF SOUP (OUNCES)

(a) $|X - 8.5| > 1$

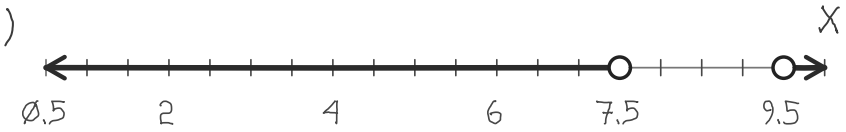
(b) $X - 8.5 < -1$ OR $X - 8.5 > 1$

$X - 8.5 + 8.5 < -1 + 8.5$

OR $X - 8.5 + 8.5 > 1 + 8.5$

$X < 7.5$ OR $X > 9.5$

(c)



(d) LESS THAN 7.5 OUNCES OR MORE THAN 9.5 OUNCES.

ACTUAL SOUP: $X \geq 0$.

TOPIC ID: 26EV-C1	TOPIC TITLE: ABSOLUTE VALUE: MODELS AND SOLUTIONS	FORESTHILL HIGH SCHOOL
NAME:	BLOCK: ALL / DATE:	

LEARNING PAPER EVIDENCE