

ALGEBRA TILES: LINEAR EXPRESSIONS PACK



YEARS 7-9



SKILLS: ALGEBRA, TILES,
LINEAR EXPRESSIONS



USE: GUIDED PRACTICE,
SMALL GROUP, HANDS-ON
PRACTICE, INDEPENDENT PRACTICE



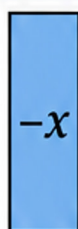
FOCUS: MODEL, WRITE,
SIMPLIFY, COMPARE,
EQUATE

1. POSITIVE x TILE



Represents $+x$

2. NEGATIVE x TILE



Represents $-x$

3. POSITIVE UNIT TILE



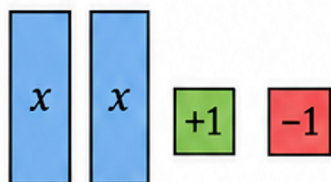
Represents $+1$

4. NEGATIVE UNIT TILE



Represents -1

5. BUILD AN EXPRESSION



$2x + 1 - 1$

6. WRITE THE EXPRESSION



$x + 1 - 1$

7. SIMPLIFY

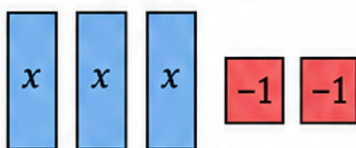
Simplify the expression.



$x + 1 - 1 = \underline{\hspace{2cm}}$

8. MODEL THE EXPRESSION

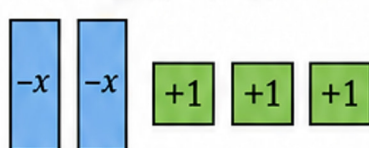
$3x - 2$



Use tiles to model $3x - 2$.

9. MODEL THE EXPRESSION

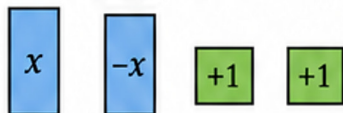
$-2x + 3$



Use tiles to model $-2x + 3$.

10. WRITE THE EXPRESSION

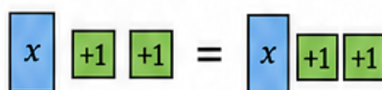
Write the expression
shown by the tiles.



Expression: $\underline{\hspace{2cm}}$

11. EQUIVALENT EXPRESSIONS

Build two different models
for the same expression.



Expression: $\underline{\hspace{2cm}}$

12. TRUE OR FALSE?

The tiles show the expression
 $x - 2$.



True or False? $\underline{\hspace{2cm}}$

CLASSROOM VOCABULARY



variable
tile



positive
unit tile



negative
unit tile

expression: a combination of
terms with numbers and/or
variables using operations.