Activity 8 Assessment
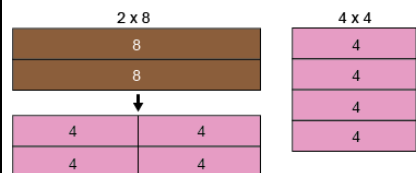## Equivalent Expressions

Identifying Equivalent Expressions

Models expressions concretely to determine equivalence	Use number relationships or mental math strategies to determine equivalence	Uses equal sign as balance (left side equals right side) and not equal sign as imbalance	Records an equation with an unknown to match a given situation
2 x 8 4 x 4 "I could trade rods for other rods to make both models look the same. So, 2 × 8 and 4 × 4 are equivalent."	9 + 7 and 42 − 27 "9 + 7: take 1 from 9 and give it to 7 to make 8 + 8, or 16. 42 − 27: add 3 to each number to make 45 − 30, or 15. Since 15 doesn't equal 16, the expressions are not equivalent."	$2 × 8 = 4 × 4$ $9 + 7 \neq 42 − 27$ "The equal sign means that the expressions on both sides are worth the same amount."	"I started with 12 stickers. My friend gave me some more. Now I have 21 stickers. $12 + \blacksquare = 21$ I used a box to represent the unknown, but I could have used a different shape."

Observations/Documentation