Grade 2 Unit 8
Lesson 9
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Unit 8 Lesson 9: A Sum of Equal Addends

WU Estimation Exploration: How Many Waffles? (Warm up)
Images for Launch


Student Task Statement
How many waffles are on the tray?


Record an estimate that is:

| too low | about right | too high |
| :---: | :---: | :---: |
|  |  |  |

## 1 Sums of Rows and Sums of Columns

## Student Task Statement

Mai and Diego represented the same array with different expressions.
Diego's expression
$2+2+2+2+2+2$
Mai's expression
$6+6$


Who do you agree with?
Show your thinking using diagrams, symbols, or other representations.
Activity Synthesis


## 2 Card Sort: Arrays and Expressions

## Student Task Statement

Your teacher will give you a set of cards that show arrays, expressions and a total number. Find the cards that match.

## 3 Add It All Up

## Student Task Statement

1. a. How many counters are there in all?

b. Explain how you found the total number of counters.
c. Circle $\mathbf{2}$ expressions that represent the array.

$$
\begin{aligned}
& 3+3+3+3 \\
& 3+3+3 \\
& 4+3 \\
& 4+4+4 \\
& 4+4+4+4
\end{aligned}
$$

2. a. How many counters are there in all?

b. Explain how you found the total number of counters.
c. Circle $\mathbf{2}$ expressions that represent the array.

$$
2+2+2+2+2+2+2
$$

$6+6$
$7+7$
$2+2+2+2+2$
Images for Activity Synthesis


