

WAL to solve one-step problems involving multiplication using arrays.

Do it:

Complete the sentences.

There are 2 apples in each row.

There are 3 rows.

$$\underline{2} + \underline{2} + \underline{2} = \underline{6}$$

There are 6 apples altogether.



Complete the table.

Array	Description - columns	Description - rows	Totals
	5 columns 2 cookies in each column	2 rows 5 cookies in each row	$2 + 2 + 2 + 2 + 2 = 10$ $5 + 5 = 10$
	<u>2</u> columns <u>4</u> donuts in each column	<u>4</u> rows <u>2</u> donuts in each row	$2 + 2 + 2 + 2 = 8$ $4 + 4 = 8$
	<u>5</u> columns <u>3</u> fish in each column	<u>3</u> rows <u>5</u> fish in each row	$3 + 3 + 3 + 3 + 3 = 15$ $5 + 5 + 5 = 15$
	3 columns 5 cupcakes in each column	5 rows 3 cupcakes in each row	$3 + 3 + 3 + 3 + 3 = 15$ $5 + 5 + 5 = 15$

Secure it:

Amir and Whitney are making arrays.



Who has made a mistake? Explain why.

Possible answer:
Whitney has made a mistake because her array is not in columns. There are an unequal amount of squares in each row.

Deepen it:

Eva begins to make an array with 40 counters.

She has finished her first row and her first column.

Complete her array.



Possible answer:

Array showing 10

$$+ 10 + 10 + 10 =$$

40

Or

$$4 + 4 + 4 + 4 + 4 +$$

$$4 + 4 + 4 + 4 + 4 =$$

40

Write two different number sentences to describe the finished array.

Create 2 of your own arrays so that the answers are less than 39 but more than 26.
Write 2 number sentences for these.