

1 Warm-up: Skip Count by 5s

2-min Fluency Warm-up — Skip count by 5s.

Count by 5s — fast like counting nickels!

Count by 5:

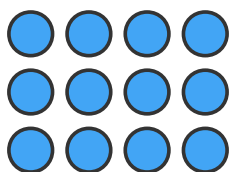


Count by 5:



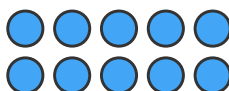
2 Arrays: Rows and Columns

An **array** puts things in neat **rows** (across →) and **columns** (down ↓). We say "3 rows of 4."



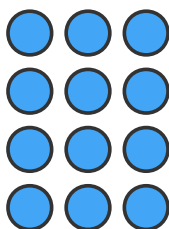
_____ rows of _____

Total dots: _____



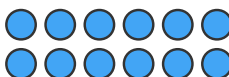
_____ rows of _____

Total dots: _____



_____ rows of _____

Total dots: _____

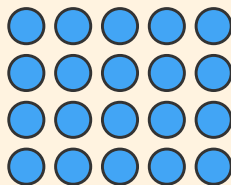


_____ rows of _____

Total dots: _____

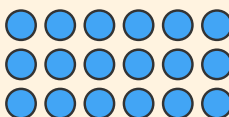
3 Estimate First!

Estimate First! Take a quick peek — do NOT count yet. Write your estimate, THEN count by rows to check.



My estimate: _____

Actual count: _____



My estimate: _____

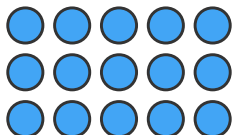
Actual count: _____

Was your estimate close?

Was your estimate close?

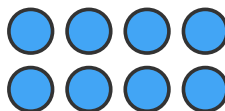
4 Addition Equations for Arrays

Add each ROW to find the total. Example: 3 rows of 4 $\rightarrow 4 + 4 + 4 = 12$.



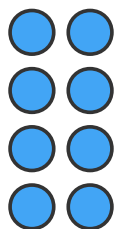
Addition equation: _____

Total: _____



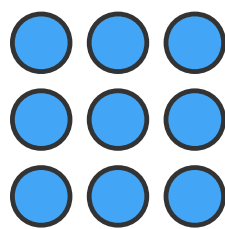
Addition equation: _____

Total: _____



Addition equation: _____

Total: _____

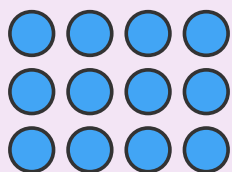


Addition equation: _____

Total: _____

5 Show Two Different Ways

Show Two Different Ways — Find the total for this array two ways: (1) add the rows, (2) add the columns.



Way 1 (rows): $4 + 4 + 4 =$ _____

Way 2 (columns): $3 + 3 + 3 + 3 =$ _____

What do you notice about the two answers? _____