Varied Fluency
Step 4: Make Arrays

National Curriculum Objectives:

Mathematics Year 1: (1N1b) Count in multiples of twos, fives and tens
Mathematics Year 1: (1C8) Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher

Differentiation:

Developing Questions to support making and understanding arrays. Using multiples of 2.
Expected Questions to support making and understanding arrays. Using multiples of 2, 5 and 10.
Greater Depth Questions to support making and understanding arrays. Using up to 10 columns or rows.

More Year 1 Multiplication and Division resources.

Did you like this resource? Don't forget to review it on our website.

Make Arrays

1a.

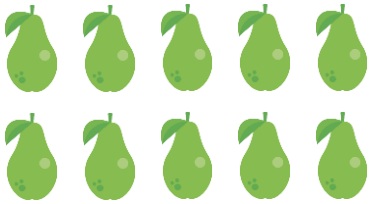
There are ☐ apples in each row.

There are ☐ rows.

D VF

Make Arrays

1b.

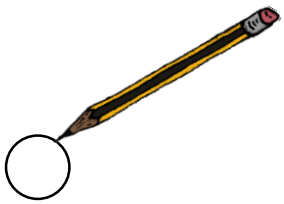


There are ☐ pears in each column.

There are ☐ columns.

D VF

2a. There are 2 counters in each column. There are 6 columns. Draw the array.



D VF

2b. There are 2 counters in each row. There are 4 rows. Draw the array.

D VF

3a. Complete the calculations.

There are 2 counters in each row. There are 3 rows.

☐ + ☐ + ☐ = ☐

There are 2 counters in each column. There are 4 columns.

☐ + ☐ + ☐ + ☐ = ☐

D VF

3b. Complete the calculations.

There are 2 counters in each row. There are 6 rows.

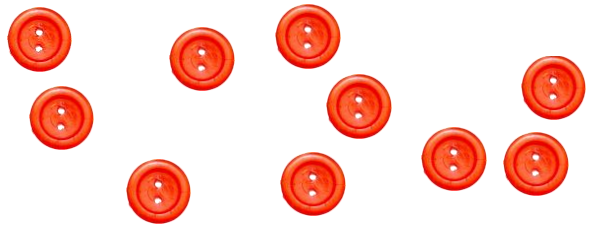
☐ + ☐ + ☐ + ☐ + ☐ + ☐ = ☐

There are 2 counters in each column. There are 3 columns.

☐ + ☐ + ☐ = ☐

D VF

4a. Use the buttons to make an array representing 2 + 2 + 2 + 2 + 2 = 10.



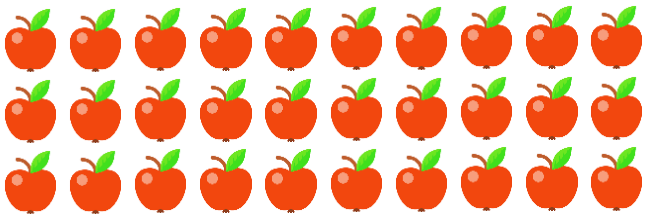
D VF

4b. Use the buttons to make an array representing 2 + 2 + 2 = 6.

D VF

Make Arrays

5a.



There are ☐ apples in each row.

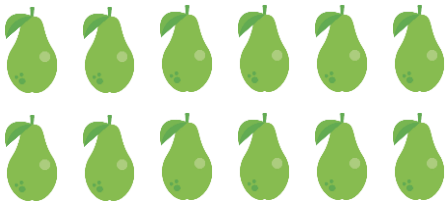
There are ☐ rows.

E

VF

Make Arrays

5b.



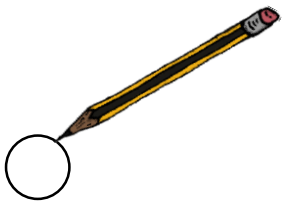
There are ☐ pears in each column.

There are ☐ columns.

E

VF

6a. There are 2 counters in each column. There are 8 columns. Draw the array.



E

VF

6b. There are 10 counters in each row. There are 4 rows. Draw the array.

E

VF

7a. Complete the calculations.

There are 10 counters in each row. There are 3 rows.

☐ + ☐ + ☐ = ☐

There are 2 counters in each column. There are 2 columns.

☐ + ☐ = ☐

E

VF

7b. Complete the calculations.

There are 2 counters in each row. There are 4 rows.

☐ + ☐ + ☐ + ☐ = ☐

There are 10 counters in each column. There are 3 columns.

☐ + ☐ + ☐ = ☐

E

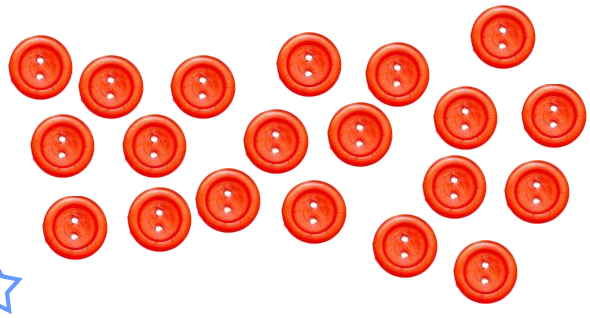
VF

8a. Use the buttons to make an array representing 2 + 2 + 2 + 2 = 8.

E

VF

8b. Use the buttons to make an array representing 10 + 10 = 20.

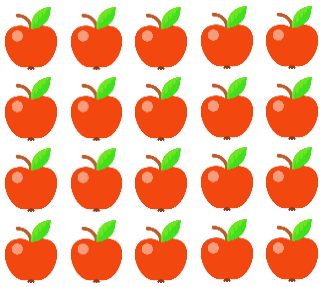


E

VF

Make Arrays

9a.



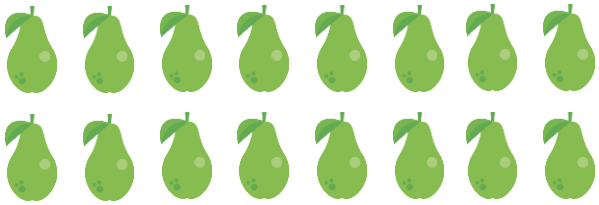
There are ☐ apples in each row.

There are ☐ rows.

GD VF

Make Arrays

9b.

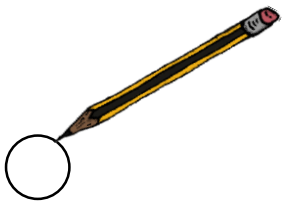


There are ☐ pears in each column.

There are ☐ columns.

GD VF

10a. There are 10 counters in each column. There are 3 columns. Draw the array



GD VF

10b. There are 5 counters in each row. There are 6 rows. Draw the array.

GD VF

11a. Complete the calculations.

There are 5 counters in each row. There are 3 rows.

☐ + ☐ + ☐ = ☐

There are 10 counters in each column. There are 4 columns.

☐ + ☐ + ☐ + ☐ = ☐

GD VF

11b. Complete the calculations.

There are 2 counters in each row. There are 6 rows.

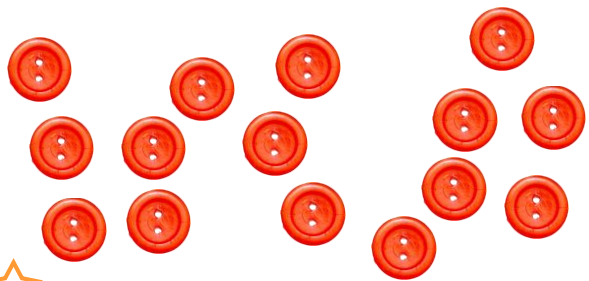
☐ + ☐ + ☐ + ☐ + ☐ + ☐ = ☐

There are 5 counters in each column. There are 3 columns.

☐ + ☐ + ☐ = ☐

GD VF

12a. Use the buttons to make an array representing 5 + 5 + 5 = 15.



GD VF

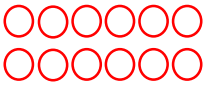
12b. Use the buttons to make an array representing 2 + 2 + 2 + 2 + 2 = 10.

GD VF

Varied Fluency
Make Arrays

Developing

1a. There are 2 apples in each row. There are 4 rows.

2a. 

3a. 2 + 2 + 2 = 6
2 + 2 + 2 + 2 = 8

4a.  or 

Expected

5a. There are 10 apples in each row. There are 3 rows.

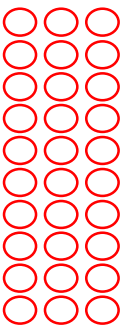
6a. 

7a. 10 + 10 + 10 = 30
2 + 2 = 4

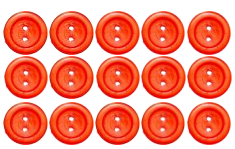
8a.  or 

Greater Depth

9a. There are 5 apples in each row. There are 4 rows.

10a. 

11a. 5 + 5 + 5 = 15
10 + 10 + 10 + 10 = 40

12a.  or 

Varied Fluency
Make Arrays

Developing

1b. There are 2 pears in each column. There are 5 columns.

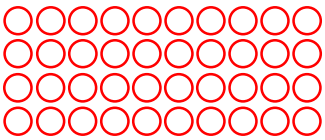
2b. 

3b. 2 + 2 + 2 + 2 + 2 + 2 = 12
2 + 2 + 2 = 6

4b.  or 

Expected

5b. There are 2 pears in each column. There are 6 columns.

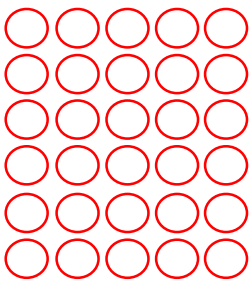
6b. 

7b. 2 + 2 + 2 + 2 = 8
10 + 10 + 10 = 30

8b.  or 

Greater Depth

9b. There are 2 pears in each column. There are 8 columns

10b. 

11b. 2 + 2 + 2 + 2 + 2 + 2 = 12
5 + 5 + 5 = 15

12b.  or