

YEAR 1

MATHS

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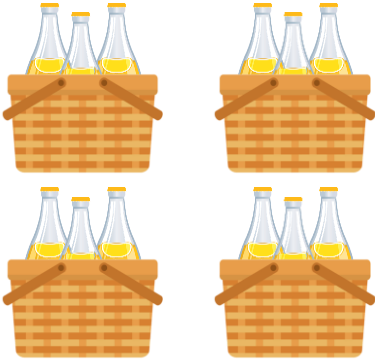
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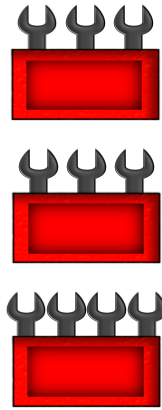
Classroom
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Making Equal Groups

1. Tick the groups that are equal.

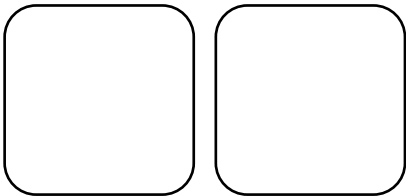






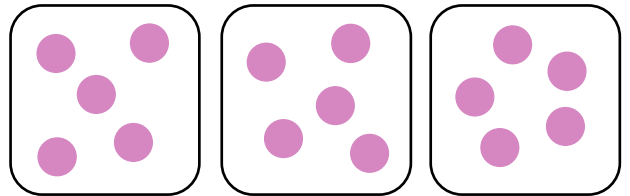
VF

2. Draw counters and complete the sentences.



There are 2 groups.

There are 4 counters in each group.



There are groups.

There are counters in each group.

VF

3. Milly and Joe are making groups with wooden blocks.



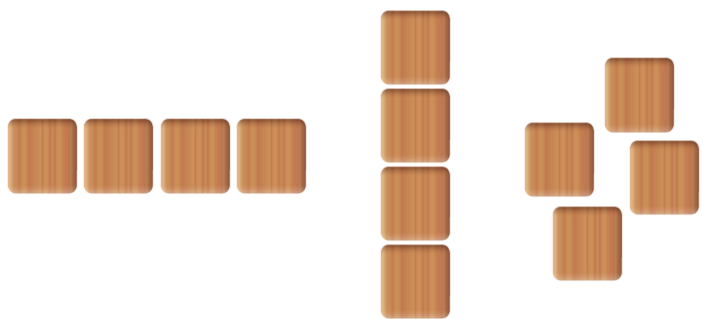
Milly

There are 3 equal groups.



Joe

The groups are not equal.

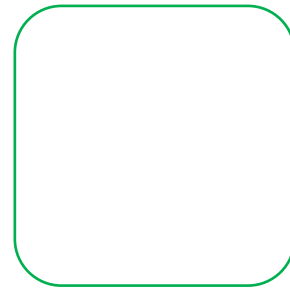
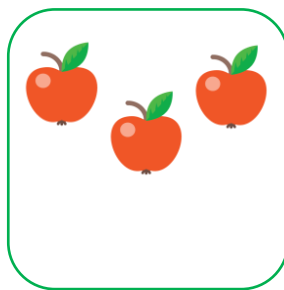
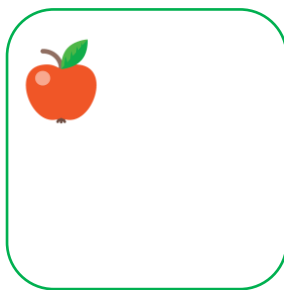
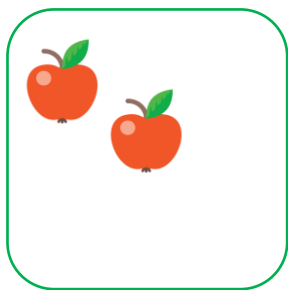


Who do you agree with? Explain why.

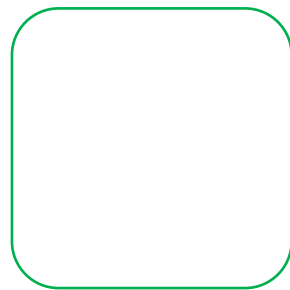
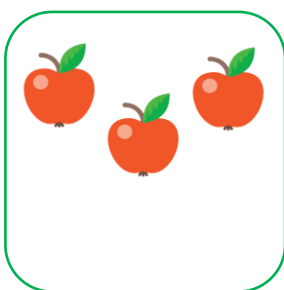
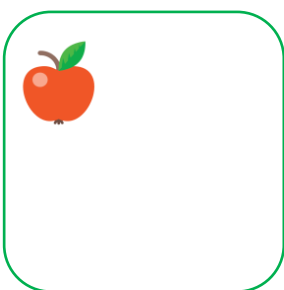
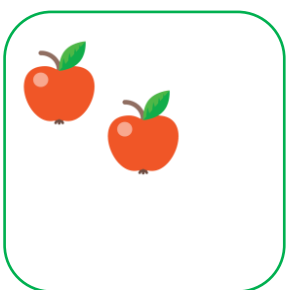
R

Making Equal Groups

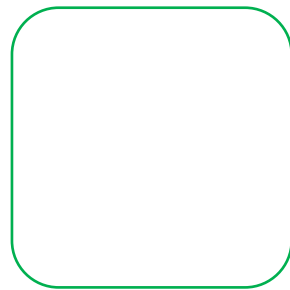
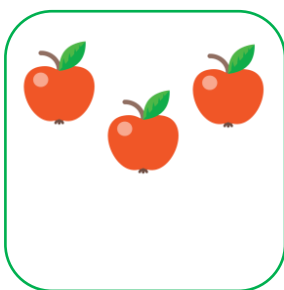
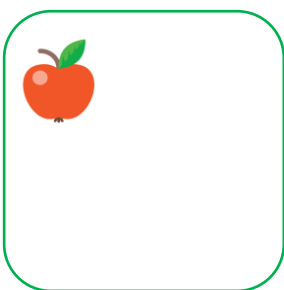
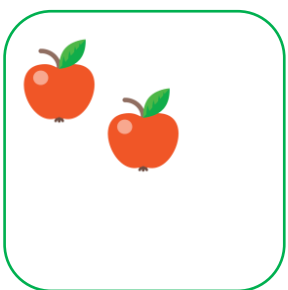
Sara is sorting apples into equal groups.



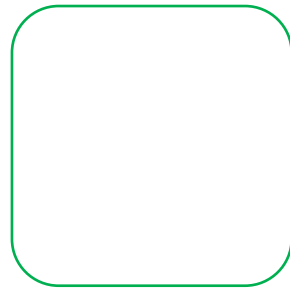
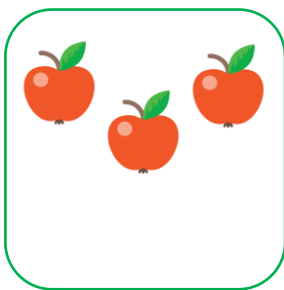
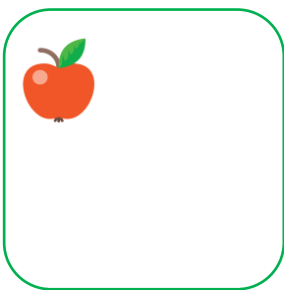
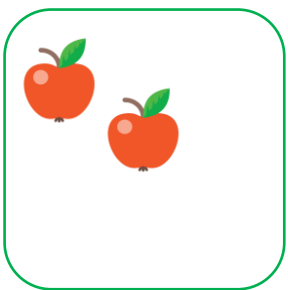
Investigate how many more apples Sara needs to make her groups equal. Give three answers.



Sara will need more apples.



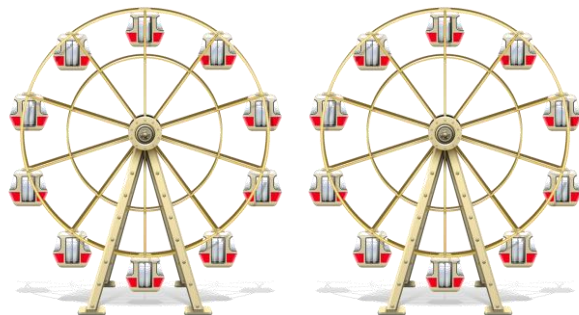
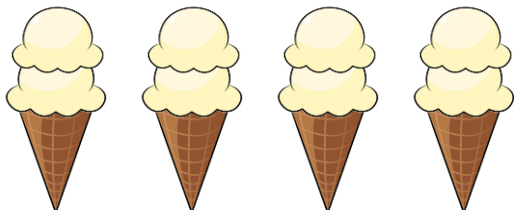
Sara will need more apples.



Sara will need more apples.

Add Equal Groups

1. Add the equal groups.

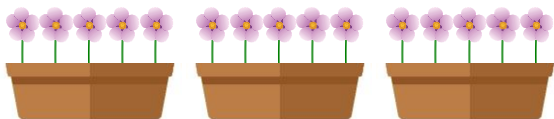


$$\square + \square + \square + \square = \square$$

$$\square + \square = \square$$

VF

2. Match the sentences to the correct groups.



There are 5 groups.

There are 5 flowers in each group.



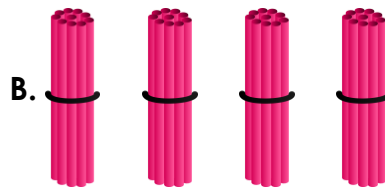
There are 15 flowers altogether.

There are 2 flowers in each group.

VF

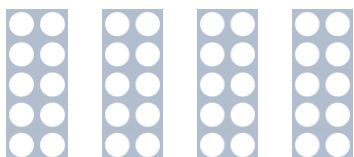
3. Which representation is the odd one out? Explain your answer.

A. There are 4 groups of 10.



B.

C.



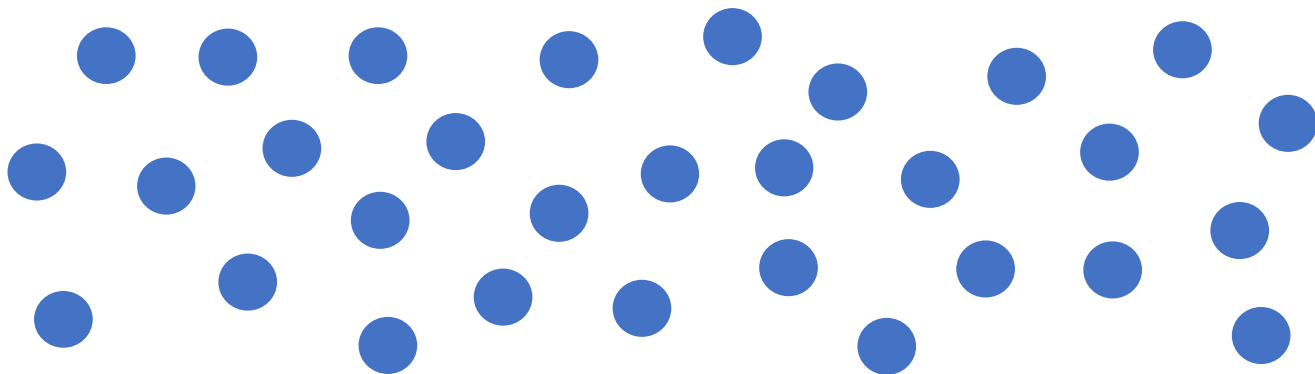
D. $5 + 5 + 5 + 5 = 20$

R

Add Equal Groups

I have 30 counters.

I have more than two groups but less than ten groups. All my groups are equal.



Draw the groups of counters and write the repeated addition to match. Find 3 possible answers.

Groups:

Repeated addition:

Groups:

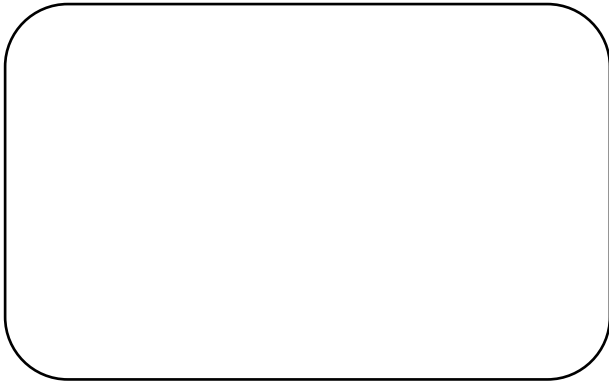
Repeated addition:

Groups:

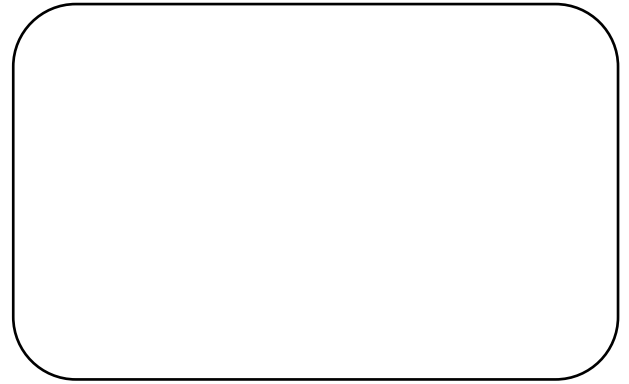
Repeated addition:

Make Arrays

1. Draw the arrays to match the statements.



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



There are 2 counters in each column.
There are 10 columns.

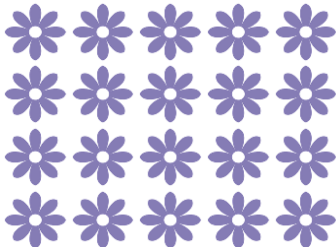
VF

2. Complete the two number sentences to match each array.



$$\square + \square = \square$$

$$\square + \square + \square + \square = \square$$



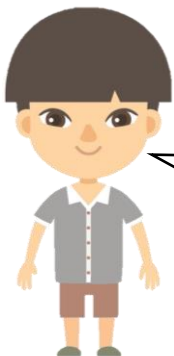
$$\square + \square + \square + \square = \square$$

$$\square + \square + \square + \square + \square = \square$$

VF

3. Harry wants to make an array.

He says,



My array has 5 columns with 4 in each column. I will need 18 counters to make it.

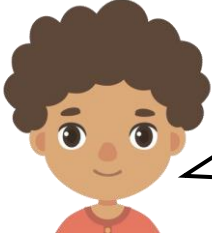
Is Harry correct? Explain your answer.

R

Make Arrays

Leo is describing his array.

He says,



There are between 3 and 30 counters in my array. There are fewer than 10 columns and more than 1 row. The number of columns is greater than the number of rows.

Use the clues to explore the greatest and smallest arrays Leo could have made. Draw the array and write the repeated addition to match.

Greatest array

Smallest array

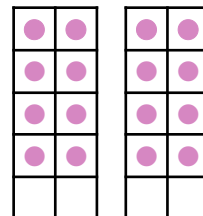
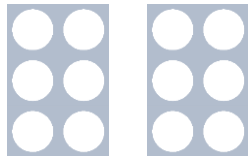
Making Doubles

1. Circle the group we would use to double the number of candles on the cake.



VF

2. Complete the missing boxes.



$$\boxed{6} + \boxed{6} = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{8}$$

$$\boxed{} + \boxed{} = \boxed{}$$

Double $\boxed{6}$ is $\boxed{}$.

Double $\boxed{}$ is $\boxed{8}$.

Double $\boxed{}$ is $\boxed{}$.

VF

3. No child has more than 20 books. How many books does each child have?



Rachel

I have double the number of books that Poppy has.



Poppy

I have more than double Jacob's number of books.



Jacob

I have 3 books.

Rachel

Jacob

Poppy

PS

Making Doubles

Yasmin thinks of a one-digit number. She doubles it and then doubles it again.

One-digit number

?



Double

?



Double again

?

Complete the templates to show Yasmin's possible numbers.

One-digit number



Double



Double again



Do you notice any patterns or similarities with the numbers?