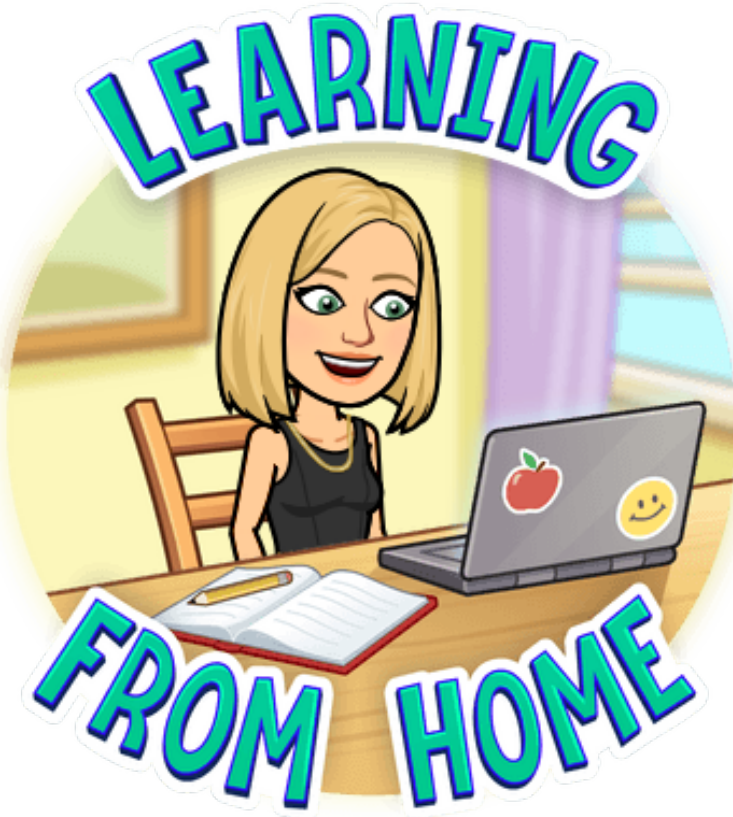


# Year 2 Maths: Recognise Equal Groups

Wednesday 27.01.21

Today we will begin to learn about multiplication. Our first step is to recognise equal groups. There's a video to watch on our Remote Learning page and some activities to complete in this file.



# Fluency Review

## LET'S THINK



Solve these calculations:

$$65 - 27 =$$

$$76 - 36 =$$

$$82 - 55 =$$

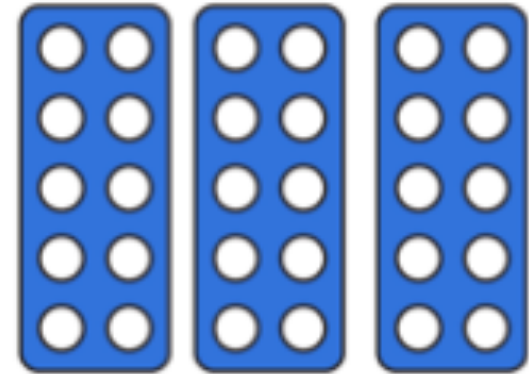
$$75 - 49 =$$

Mrs Riley has 70p. She buys an apple for 15p and a banana that costs 27p.

How much does she have left?

# Anchor Task

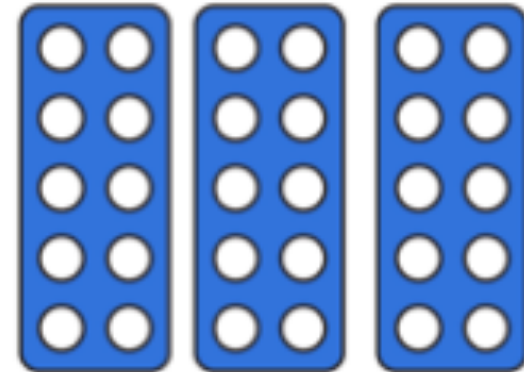
Which one doesn't belong?



Explain your answer.

# Anchor Task

Which one doesn't belong?



Explain your answer.

The hands representation doesn't belong as they each represent five, whereas the other representations each show three lots of ten.

# Vocabulary

Multiplication

Year 2

## Equal Groups



$$5 \times 3 = 15$$

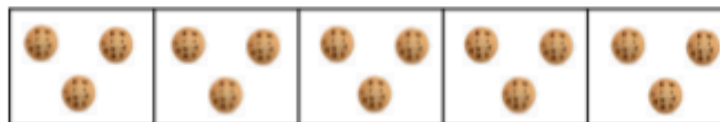
There are 5 groups with the same amount in each group.  
They are equal groups.

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Multiplication

Year 2

## Repeated Addition



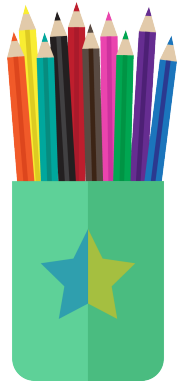
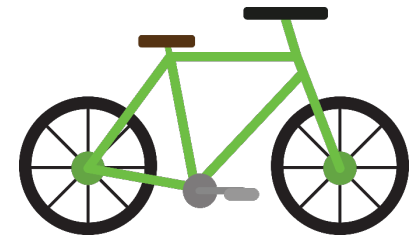
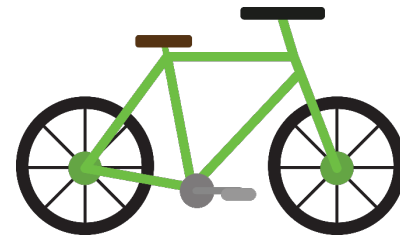
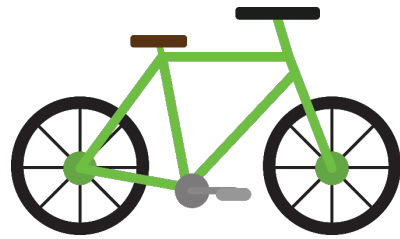
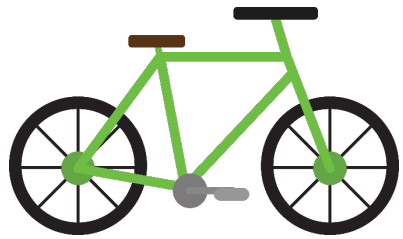
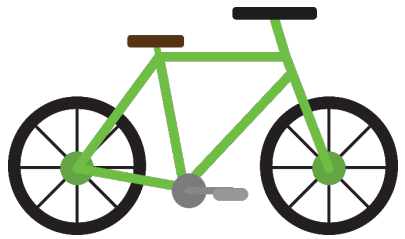
$$3 + 3 + 3 + 3 + 3$$

Adding the same number again and again.

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# Explore

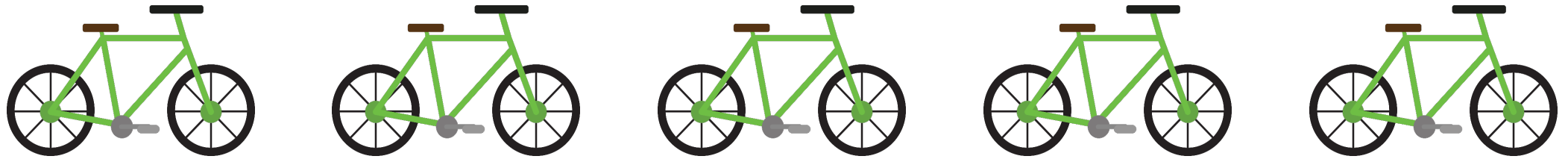
What would you count in to find the total wheels and pencils?



Why?

# Explore

What would you count in to find the total wheels and pencils?



You would count in groups of 2 for the bikes and 10 for the pencils.

# Recap

What is this symbol called?



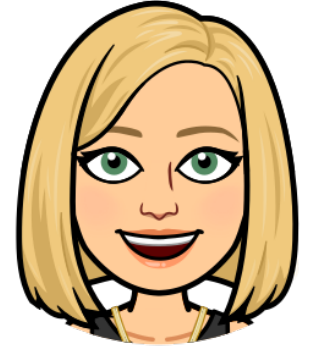
=

What does it mean?



# Recap

What is this symbol called?

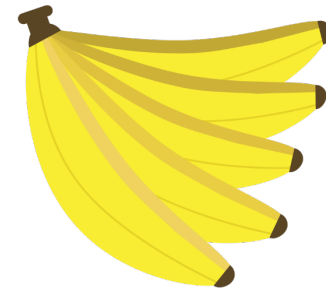
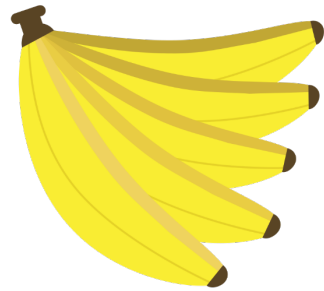
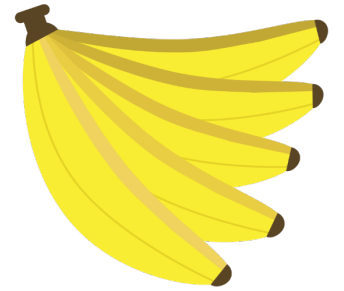
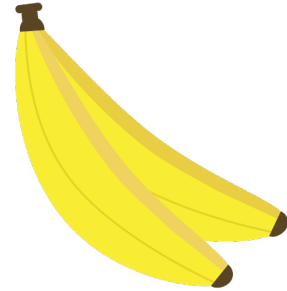
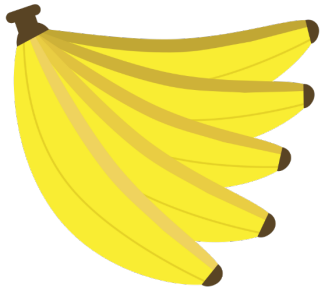


=

This symbol means 'is the same as' or 'equals'.  
It does not mean 'the answer'!

# Explore

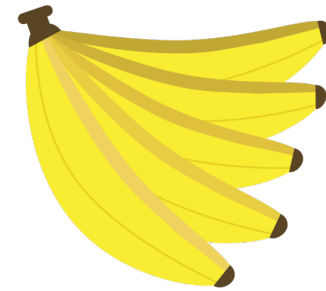
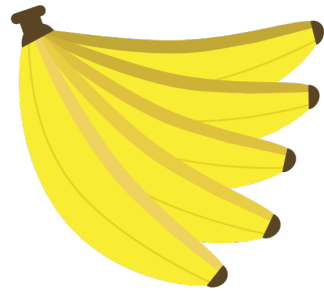
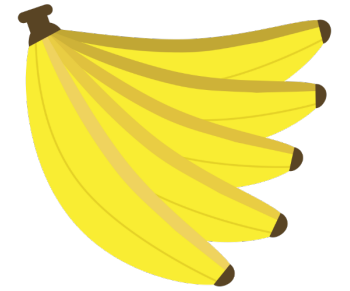
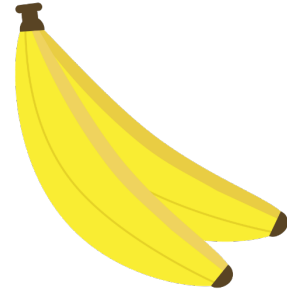
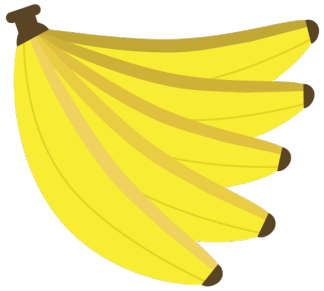
Are these groups equal?



How do you know? Talk to your grown up.

# Explore

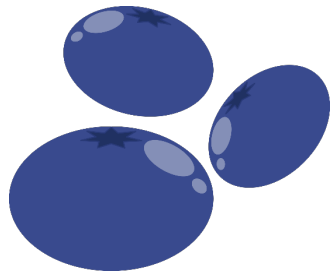
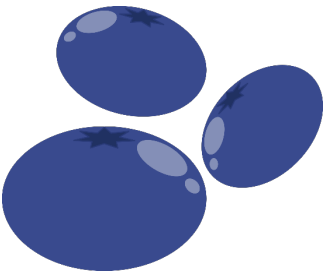
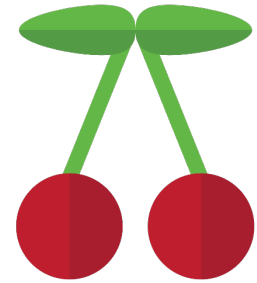
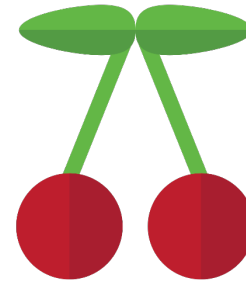
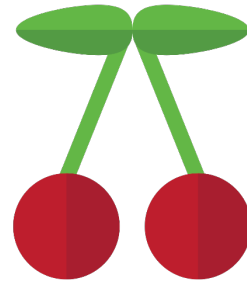
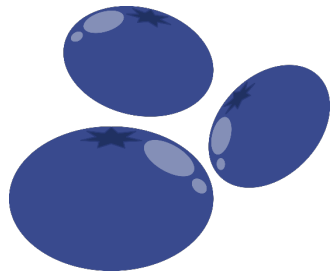
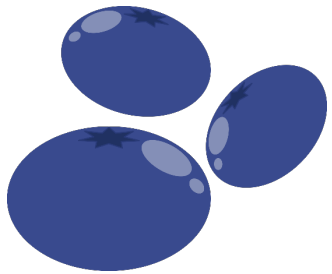
Are these groups equal?



No because one of them has less bananas than the others. They are not equal.

# Explore

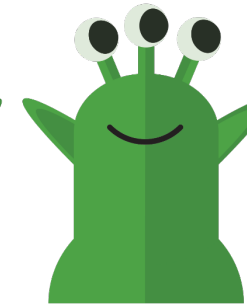
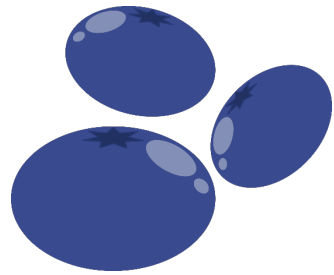
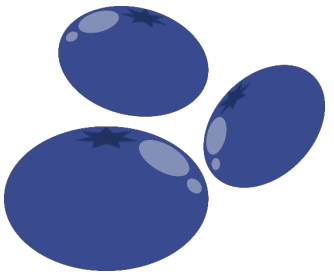
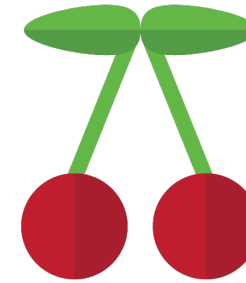
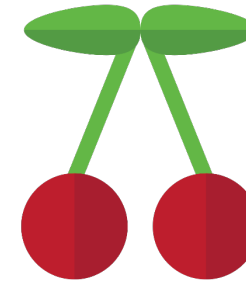
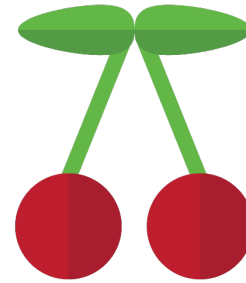
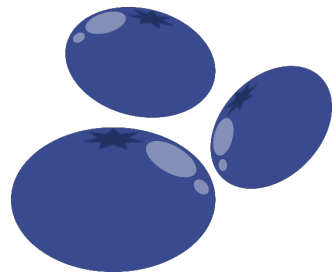
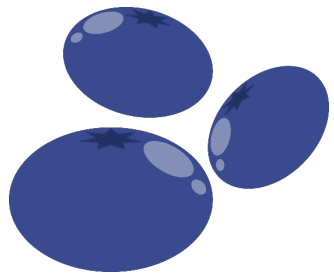
Which groups are equal?



How do you know? Talk to your grown up.

# Explore



Which groups are equal?





The pebbles and cherries are equal groups. The aliens aren't - look at their antennae!

# Explore


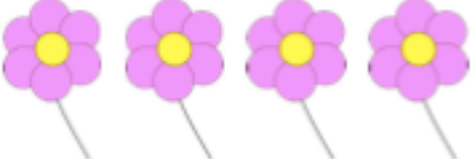
a



b



c

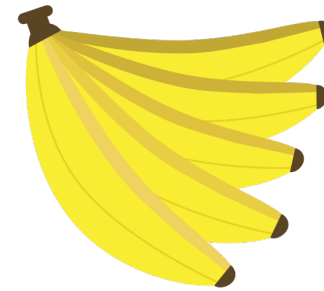
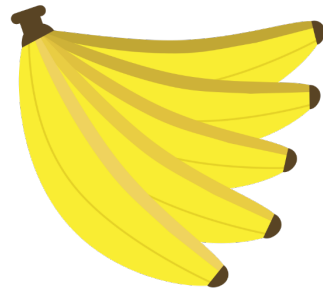
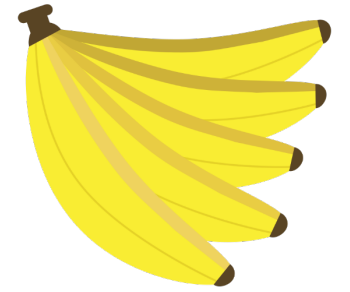
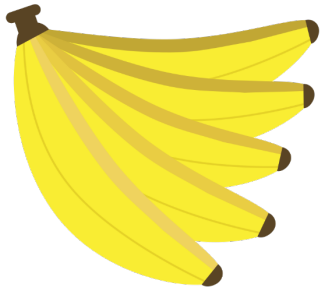


Label these groups equal or unequal.



# Guided Practice

Are these groups equal?

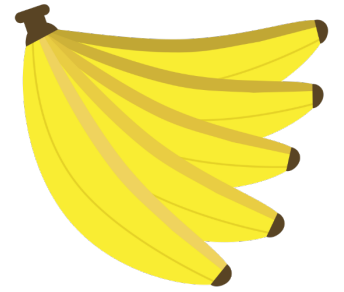
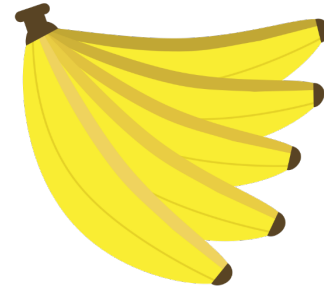
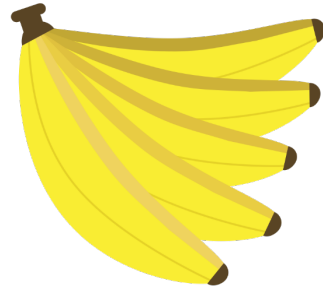
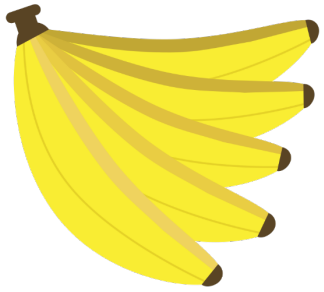


How many groups are there?

# Guided Practice

There are 4 equal groups.

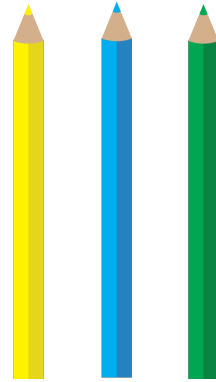
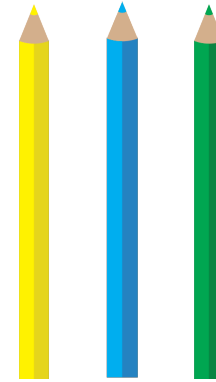
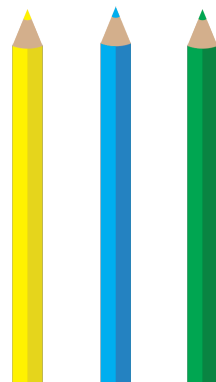
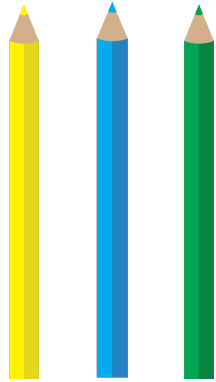
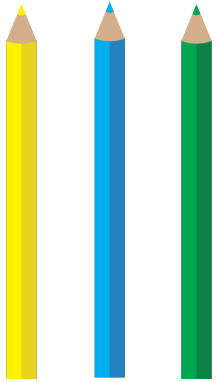
There are 5 bananas in each group.





# Guided Practice

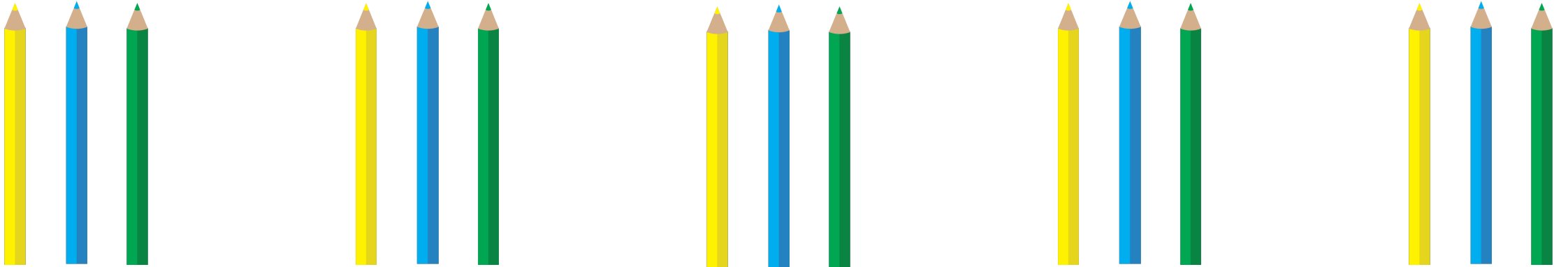
There are \_\_\_\_\_ equal groups.



There are \_\_\_\_\_ pencils in each group.

# Guided Practice

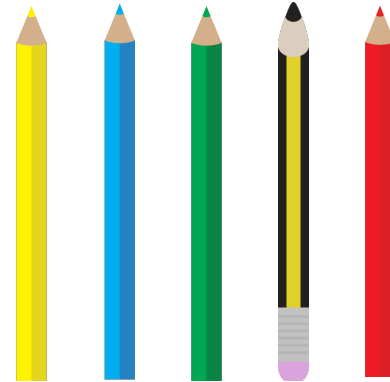
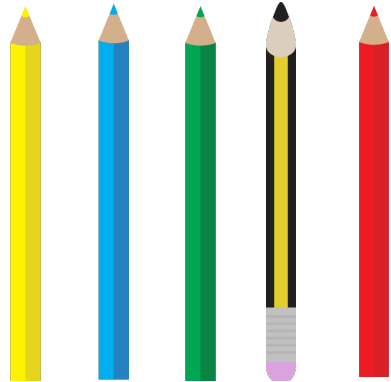
There are 5 equal groups.



There are 3 pencils in each group.

# Your turn

Describe the groups.



# Review

Describe the groups.

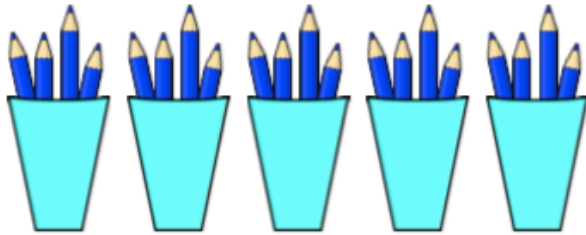


There are 2 equal groups with 5 in each group.

# Independent Practice 1

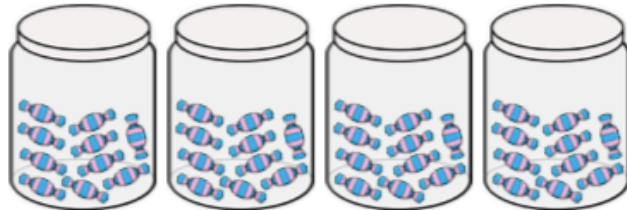
1 Complete the sentences.

a



There are \_\_\_\_\_ groups of \_\_\_\_\_ pencils.

b



There are \_\_\_\_\_ groups of \_\_\_\_\_ sweets.

c



There are \_\_\_\_\_ groups of \_\_\_\_\_ balloons.

d



There are \_\_\_\_\_ groups of \_\_\_\_\_ apples.

# Independent Practice 2

Use equipment from around your house to show these groups:

5 groups with 3 in each group

4 groups with 2 in each group

7 groups with 4 in each group

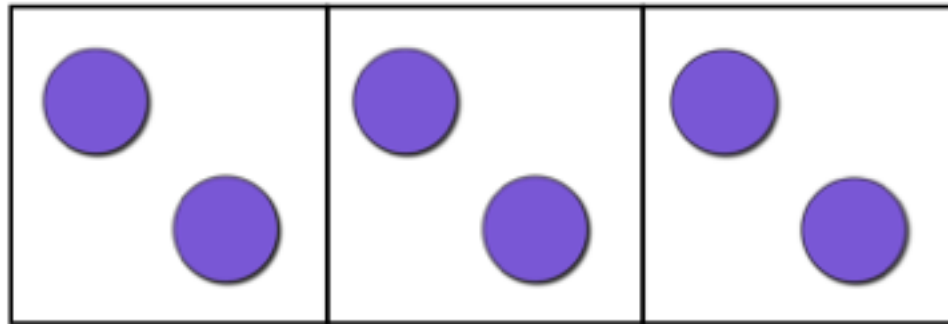
5 groups with 5 in each groups

10 groups with 2 in each group.



# Let's take it further

Describe the groups below.

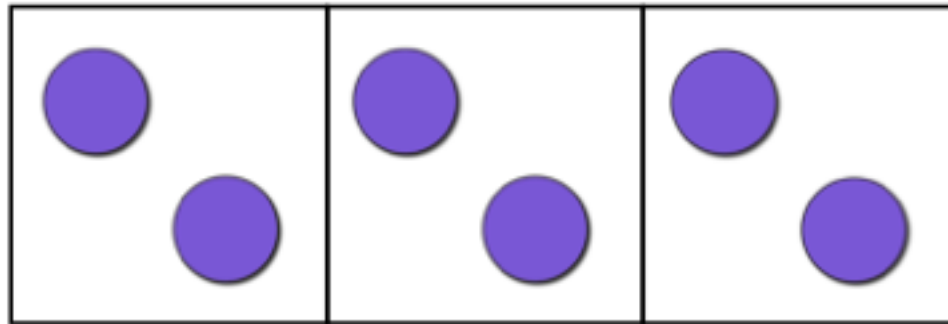


There are \_ counters in each group.  
There are \_ equal groups.  
There are \_ counters in total.



# Let's take it further

Describe the groups below.



There are \_ counters in each group.  
There are \_ equal groups.  
There are \_ counters in total.

There are 2 counters in each group.  
There are 3 equal groups.  
There are 6 counters in total.

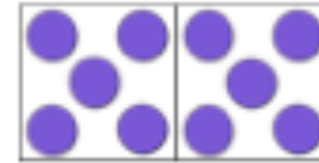


# Your Turn

Describe the groups below.



There are \_ counters in each group.  
There are \_ equal groups.  
There are \_ counters in total.

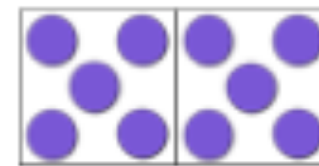
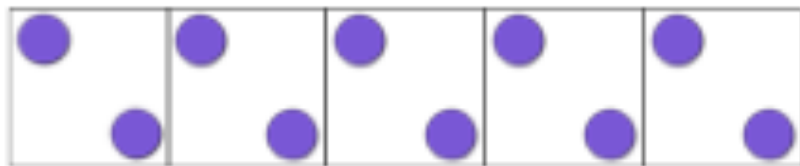


There are \_ counters in each group.  
There are \_ equal groups.  
There are \_ counters in total.

Explain your answer.

# Let's Review

Describe the groups below.



There are 2 counters in each group.  
There are 5 equal groups.  
There are 10 counters in total.

There are 5 counters in each group.  
There are 2 equal groups.  
There are 10 counters in total.

Both groupings have ten counters in total; however, the right-hand representation is made up of five equal groupings of two counters, whereas the left-hand representation is made up of two equal groupings of five counters.

# Think About it!

Is Mrs Riley correct?



I have 10  
equal groups  
with 2 in each  
group.



# Let's Review

No. Mrs Riley has 2 equal groups with 10 in each group.



I have 10  
equal groups  
with 2 in each  
group.



# Your Turn

LET'S USE IT:

What is the same and what is different about these two pictures?



They are the same because they both

.....

They are different because the top train has.....

and the bottom train has .....

.....

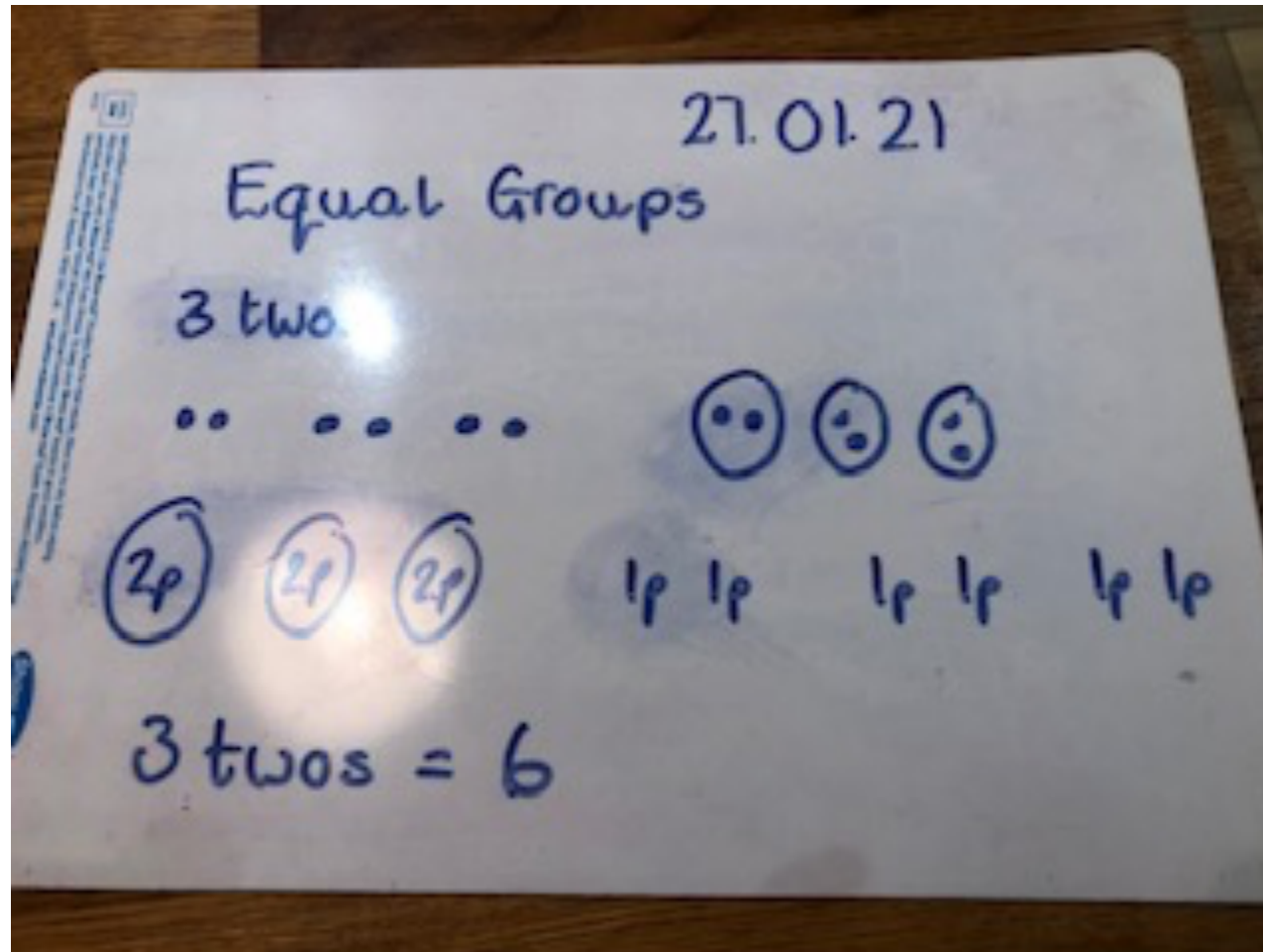


# Independent Task


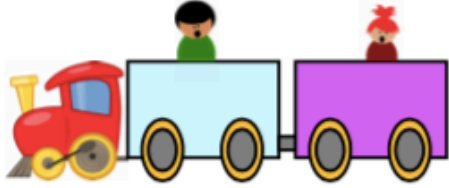
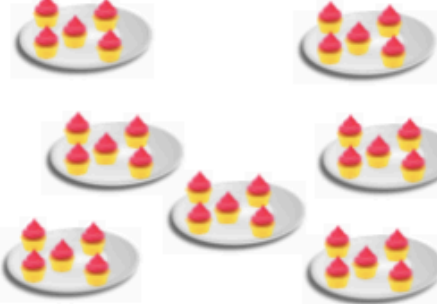

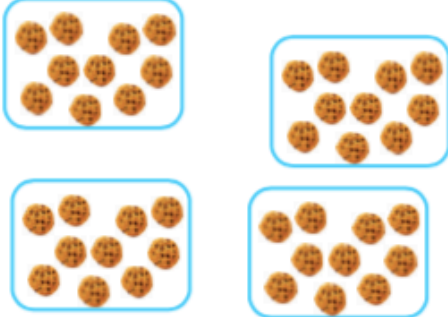

|  |  |  |
|--|--|--|
| 1.<br><br><b>eleven 2s</b>   | 2.<br><br><b>twelve 5s</b><br><br><small>masterthecurriculum.co.uk</small> | 3.<br><br><b>five equal groups<br/>with 10 in each<br/>group</b><br><br><small>masterthecurriculum.co.uk</small> |
| 4.<br><br><b>eight equal groups<br/>with 5 in each group</b><br><br><small>masterthecurriculum.co.uk</small> | 5.<br><br><b>9 tens</b>  | 6.<br><br><b>12 twos</b>   |

Draw these groups. Can you draw them in different ways?  
Can you say how many there are in each group?  
Look at my example on the next page.

# Example



# If you're finding things a little tricky try this...

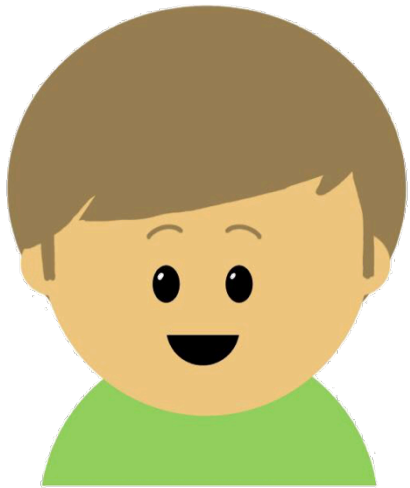
|   |  |   |
|---|--|---|
| <p>1.</p>  <p>masterthecurriculum.co.uk</p>  | <p>2.</p>  <p>masterthecurriculum.co.uk</p>  | <p>3.</p>  <p>masterthecurriculum.co.uk</p>  |
| <p>4.</p>  <p>masterthecurriculum.co.uk</p> | <p>5.</p>  <p>masterthecurriculum.co.uk</p> | <p>6.</p>  <p>masterthecurriculum.co.uk</p> |

Describe these groups and say how many there are in total in each group.  
e.g. There are 5 groups with 2 in each group.  
There are 10 fish altogether.

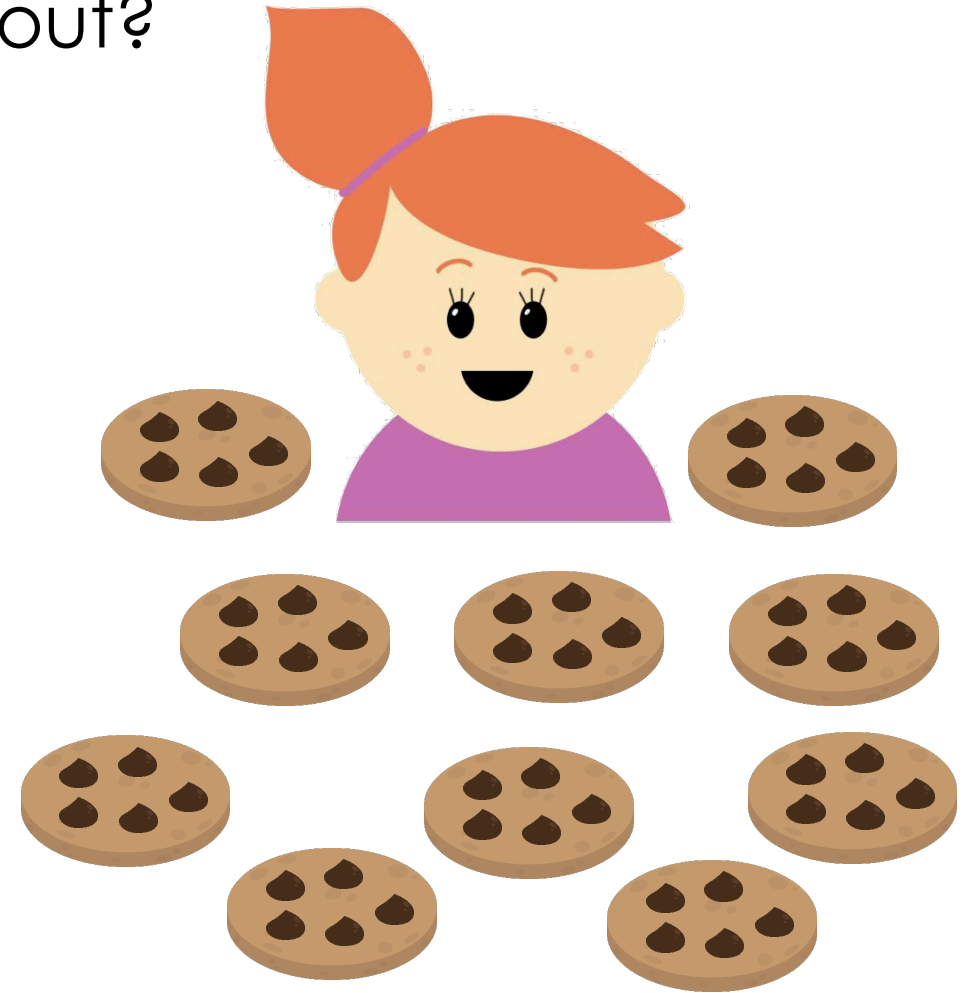


# Exit task – Dong Nao Jin

Who is the odd one out?



I have five  
10ps.



YOU ARE  
SUPER STARS



ANSWERS



# Fluency Answers

Solve these calculations:

$$65 - 27 = 38$$

$$76 - 36 = 40$$

$$82 - 55 = 27$$

$$75 - 49 = 26$$


$$15p + 27p = 42p$$

$$70p - 42p = 28p$$

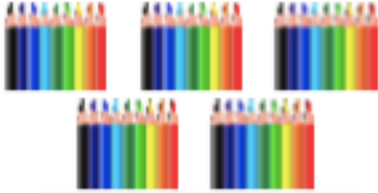
Mrs Riley has 28p left.

# Answers

a




unequal




equal

b

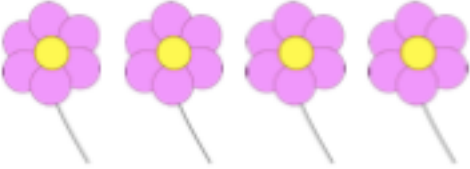


unequal




equal

c



equal



unequal

# Answers

1 Complete the sentences.

a



There are 5 groups of 4 pencils.

b



There are 4 groups of 10 sweets.

c



There are 6 groups of 5 balloons.

d



There are 3 groups of 10 apples.

# Answers

LET'S USE IT:

What is the same and what is different about these two pictures?



They are the same because each train has a total of ten people. They are different because the top train has two groups of five and the bottom train has 5 groups of 2.

They are the same because they both

.....

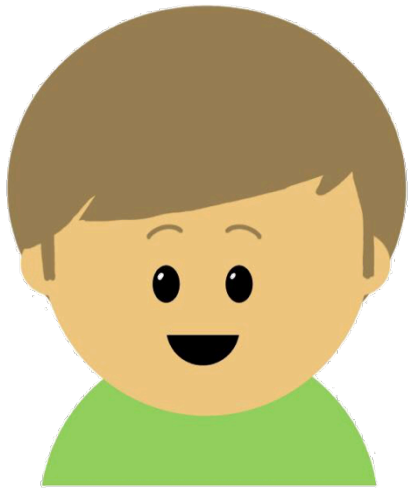
They are different because the top train has.....

and the bottom train has .....

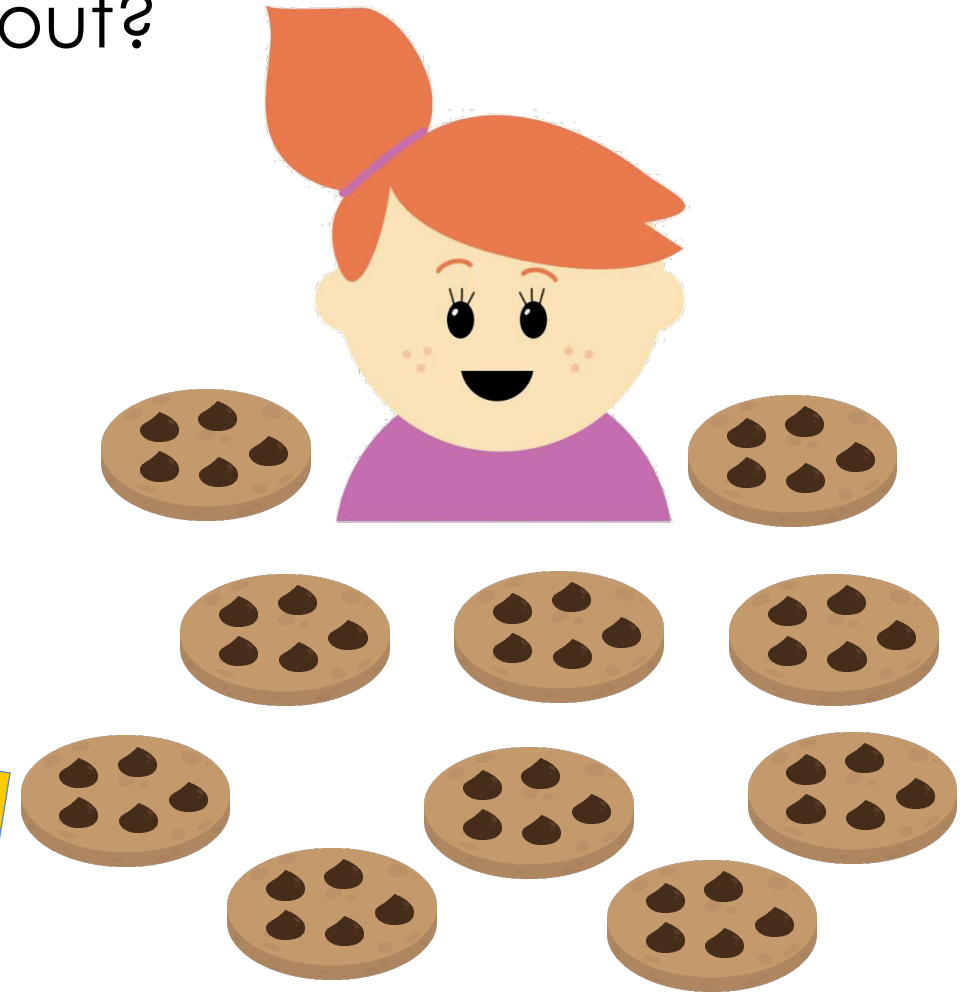
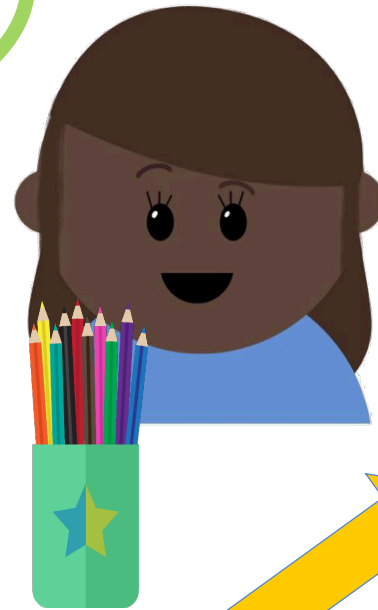
.....

# Exit task – Dong Nao Jin

Who is the odd one out?



I have five  
10ps.



This is the odd one out because it has 10 groups of 5.