

Make Equal Groups

Adult Guidance with Question Prompts



Children use pictures and objects to investigate equal groups. They understand that groups of the same number are still equal even if they have been arranged in different ways. Formal multiplication is not introduced at this point. Here, children identify equal and unequal groups. They use stem sentences 'Here are ___ groups of ___.' Then, they investigate different ways to arrange eight objects into equal groups.

What do the words 'equal' and 'unequal' mean?

Count the sheets in each pile of paper.

Count the books in each pile.

Which group is equal/unequal?

Can you explain how you know?

Read each sentence and check the pictures.

Which one is true/false?

What should the incorrect sentence say?

What can you say about these groups?

What is the same?

What is different?

Can you use stem sentences to describe them?

'Here are ___ groups of ___ paper clips.'



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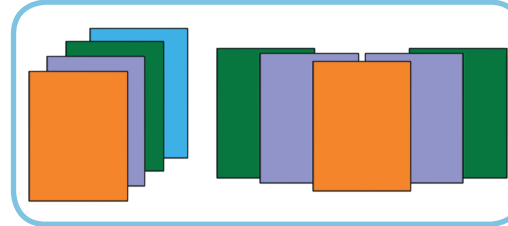
Make Equal Groups



Match the labels with the groups.

equal

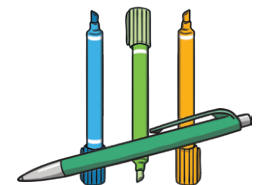
unequal



True or false?

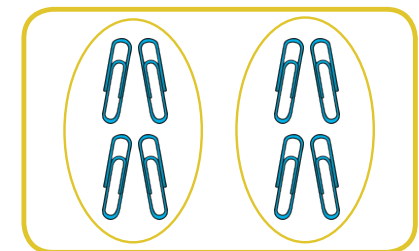
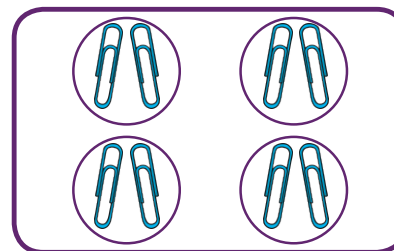


Here are 2 groups of 3 pencil cases.



Here are 3 groups of 3 pens.

What can you say about these groups?



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What do the words 'equal' and 'unequal' mean?

What do you notice about the groups of cubes?

Are the groups equal? How do you know?

Can you finish the stem sentence? 'Here are ___ groups of ___.'

Does it matter how they have been arranged?

Count the number of balls in each group.

Are the groups equal?

What can you do to make them equal?

Can you show me how we could make them equal?

Can you describe them? 'Here are ___ groups of ___.'

How many ways can you share 12 things into equal groups?

Can you show me?

Can you use stem sentences to talk about each idea?

'Here are ___ groups of ___.'



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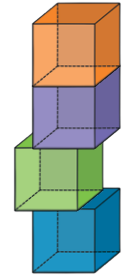
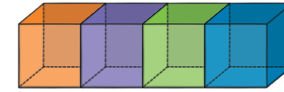
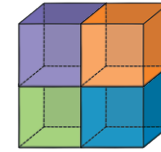


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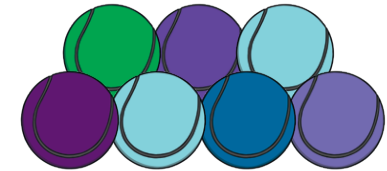
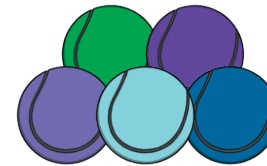


Are these groups equal?

How do you know?



What can you do to make these groups equal?



Find 12 things.



Can you share them into different, equal groups?

What can you say about them?

Here are ___ groups of ___ things.

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Children use pictures and objects to investigate equal groups. They understand that groups of the same number are still equal even if they have been arranged in different ways. Formal multiplication is not introduced at this point. Here, children investigate if it is possible to share fourteen objects into four equal groups. They examine different arrangements to check if they are equal. Then, children explore different ways to present a number of equal groups e.g. $1 + 1$, $2 + 2$, $3 + 3$ and $4 + 4$ are all examples of two equal groups.

Do you think it's possible to share 14 things into four equal groups? What can you do to find the answer?

Can you explain what you have found out?

What can you tell me about each reward chart?

Who has made equal groups? Can you use a sentence to describe it?

'Here are ___ groups of ___.'

Can you think of more ways to make equal groups with 16 stars?

Which number did you roll?

This tells you the number of equal groups to make.

Can you tell me about each idea with a sentence?

'Here are ___ groups of ___.'

Were there any numbers you couldn't do?



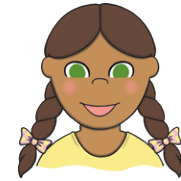
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Make Equal Groups



Can I share 14 stickers into 4 equal groups?



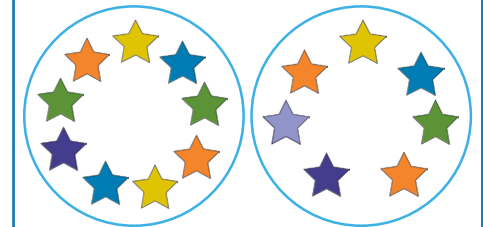
What can you do to find out?

Who has made equal groups with their star stickers?

Pat's Reward Chart



Jim's Reward Chart



Are there more ways to make equal groups with 16 stickers?

Roll a dice.



Can you make that number of equal groups out of 18 sticks?

Can you find more ways?

