Task 1 – Grouping into groups of 2.

Before we start, practise counting in twos. You can use the number track below to help you.

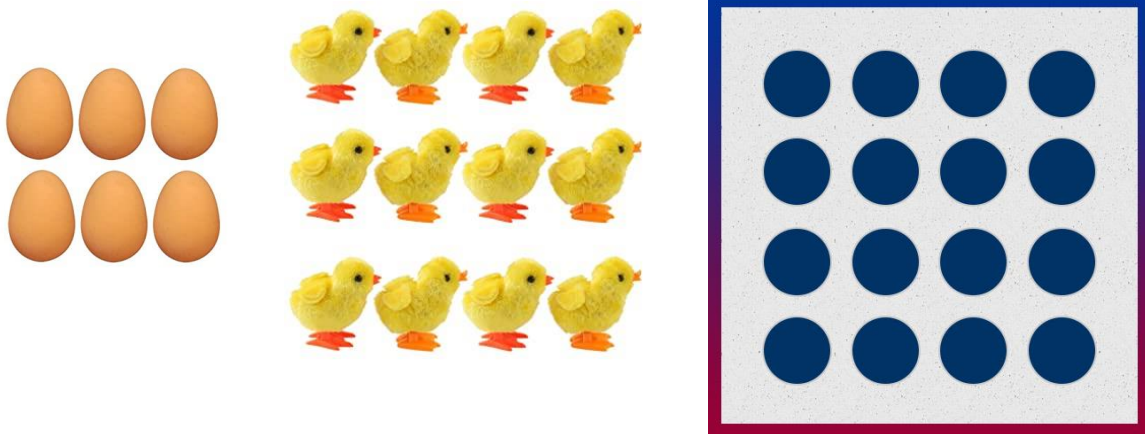| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

Examples

I have 8 mittens. I am going to group them into groups of 2 and see how many groups I have.

If I have 8 mittens, I can make 4 groups of 2.

Task – How many groups of two can you make from the following objects? Use cubes, counters or other objects you can find at home to help you.

Challenge

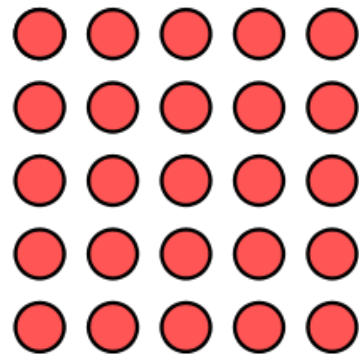Tommy and Jack each have the same number of sweets.

Tommy has 5 equal groups of 2
Jack has 1 equal group.
How many sweets are in Jack's group?
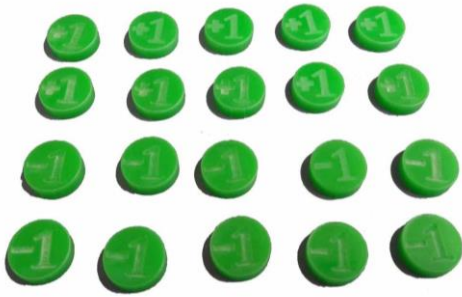
Task 2 – Grouping into groups of 5 and 10

Starter – Practise counting in 5s and 10s on the hundred square below. Can you spot a pattern?

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|----|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

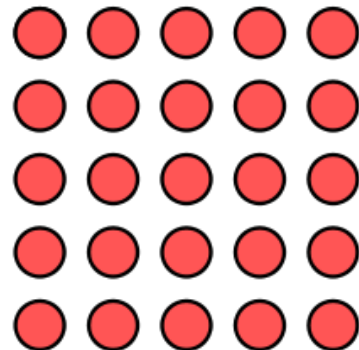How many groups of 5 can you make from the objects below?

How many groups of ten can you make from the objects below?



Challenge

Some of these objects can be split into groups of 5 and groups of 10. Which ones are they? Why do you think they can be grouped into groups of 5 and 10?
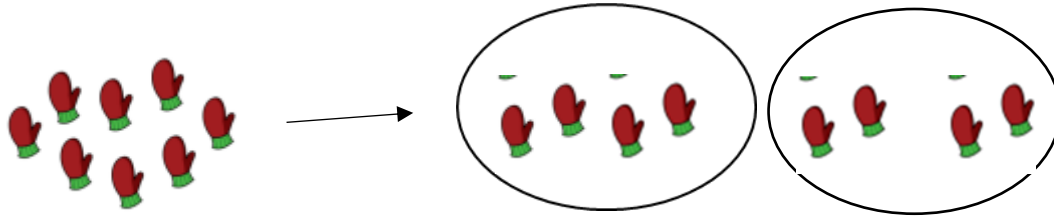


Task 3 - Sharing into 2 groups

Today, we are going to look at sharing objects equally. This is not the same as grouping.

Instead of finding out how many groups of 2 I can make, I will just share the objects into two equal groups.
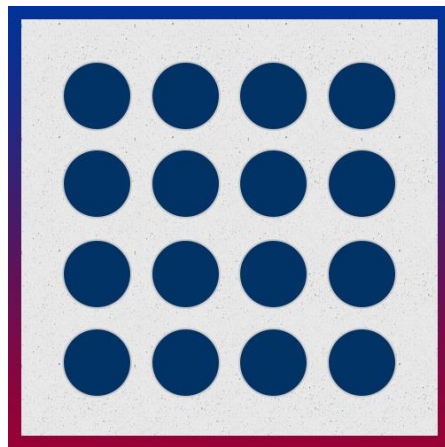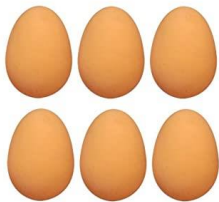
Example

I have 8 mittens. I am going to share them into 2 groups and find out how many are in each group. It's important to put one in each group at a time.

I have shared my 8 mittens into 2 equal groups. There are 4 in each group.

Your turn. How many are in each group when you share these objects into 2 equal groups?

Use the sentence stem below to explain your answer.

I have shared _____ objects into 2 equal groups. There are _____ in each group.

**Challenge**

There are 10 cakes and 2 boxes.

An equal amount needs to be put into each box.

Jack: Put them into groups of 2

Eva: Share them into 2 groups.

Who is correct?
Explain your answer.

Can the number 13 be shared into two equal groups? Why?

Task 4 – Sharing into 2, 5 and 10 groups.
Complete the tasks below and use the sentences to explain how you have shared the objects.

If you're finding this tricky, you might want to get some different objects in your house and practise sharing them into 2, 5 or 10 equal groups first. Not all numbers can be shared equally between 2, 5 or 10 groups though so think carefully!

Share the muffins equally between the two plates.
Complete the sentence.
___ cakes shared equally between 2 is ___

Collect 20 cubes. Use hoops to represent your friends.
Can you share the cubes between 5 friends?
20 shared between 5 equals ____
Can you share the cubes between 2 friends?
20 shared between 2 equals ____
Can you share the cubes between 10 friends?
20 shared between 10 equals ____

Tim has 16 bananas.
He shares them equally between two boxes.
How many bananas are in each box?
Represent and solve the problem.

# Challenges

Dora has 10 biscuits.



She wants to share them equally at her party.

How many people could be at the party?

I have some cakes. I am able to share my cakes between 5 groups but not 2 or 10 groups. What could my number be?