

Year 1 Maths New Learning:

Lesson 6

Finding Fractions of amounts using sharing

What does the word
equal mean?

The word equal means the same as

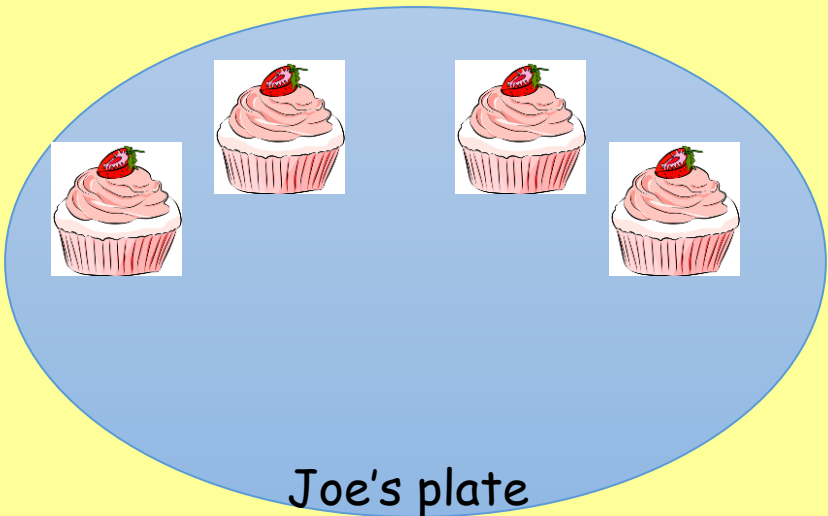


There are 8 cupcakes.

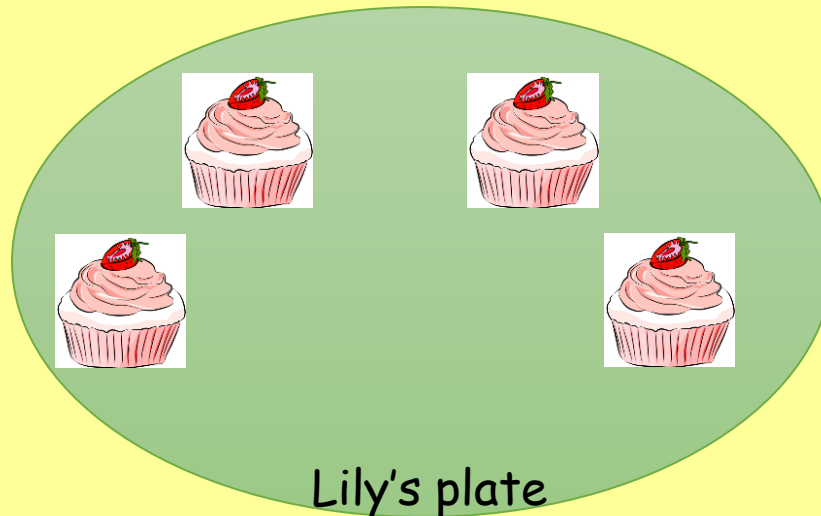


Mum says that if Lily has $\text{half } \frac{1}{2}$ the cakes and Joe has $\text{half } \frac{1}{2}$ the cakes, they'll have an equal amount. Is mum correct?

When we half $\frac{1}{2}$ something, we split it into 2 parts. So we need to share the cakes between the 2 children.
Let find out what half of 8 is!



Joe's plate



Lily's plate

Half of 8 is 4!
Each child gets 4 cakes which is half of the cakes



Boris the dog has found **10 bones** in a hole.

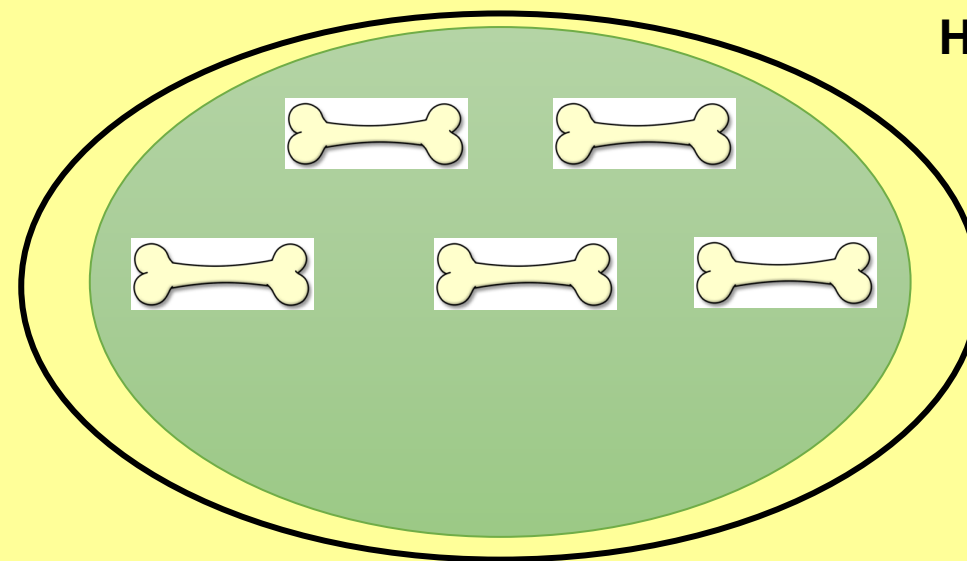
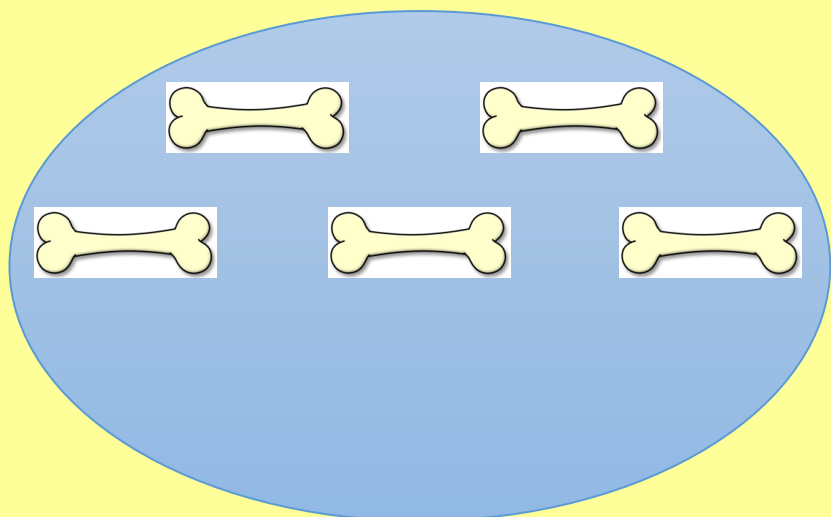
He wants to take **half $\frac{1}{2}$** of the bones home.

What is half of 10 bones?



Let's find out what half of 10 is!

When we **half $\frac{1}{2}$** something, we split it into **2 parts**. So we need to **share** the bones into 2 parts.

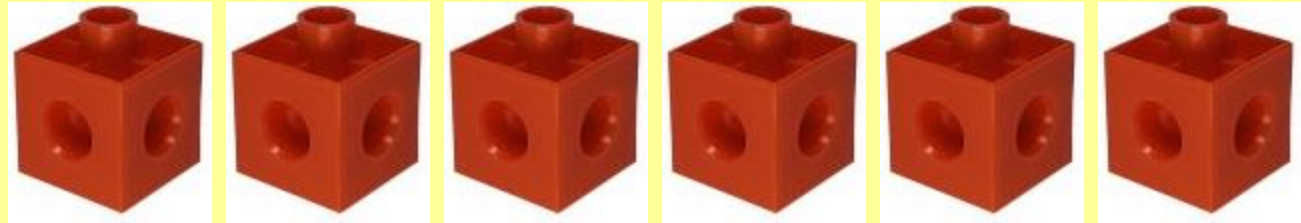


Half of 10 is 5!

Now it's your turn!

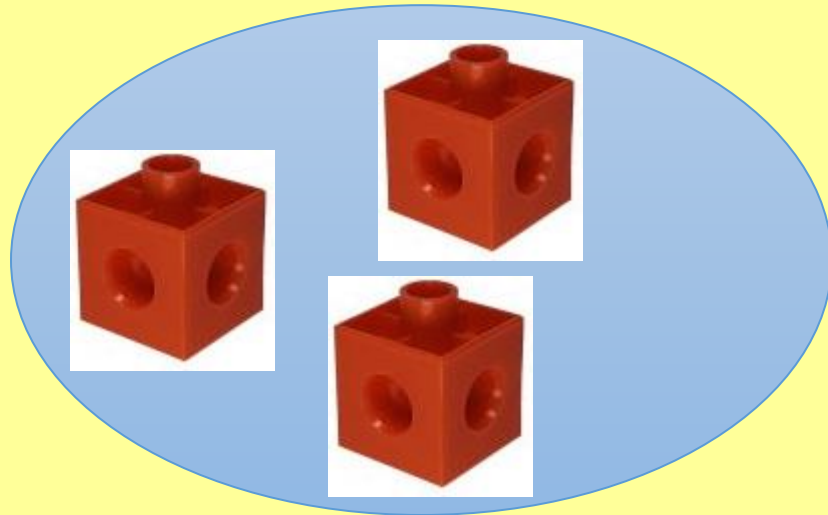
Lets find half of 6!

- Get six cubes and 2 bowls.

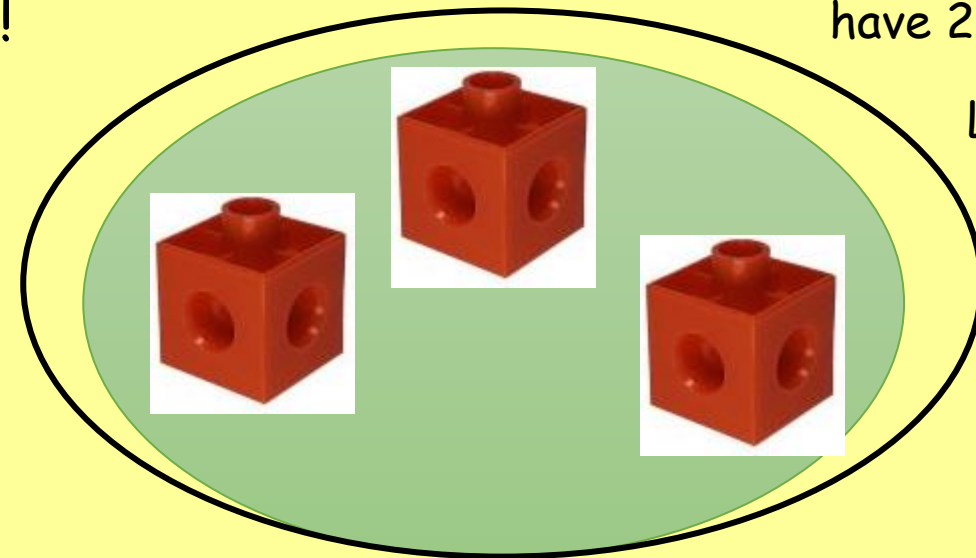


- When we half $\frac{1}{2}$ something, we split it into 2 parts. So we need to share the 6 cubes into 2 parts.

- Share the 6 cubes between the 2 bowls!



Now we have split the cubes into 2 parts. We now have 2 halves.



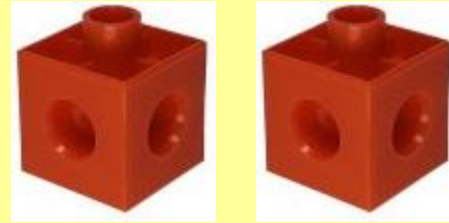
Let's circle 1 half.

1 half of 6 is 3!

Now it's your turn!

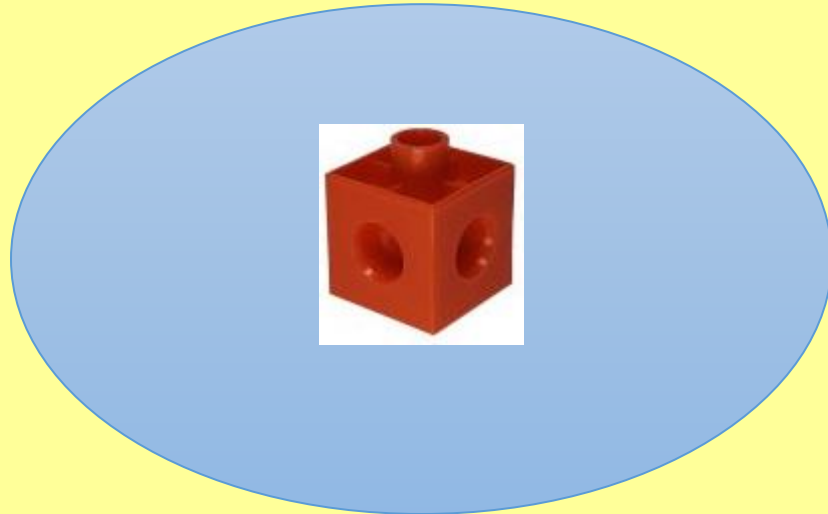
Lets find half of 2!

- Get 2 cubes and 2 bowls.

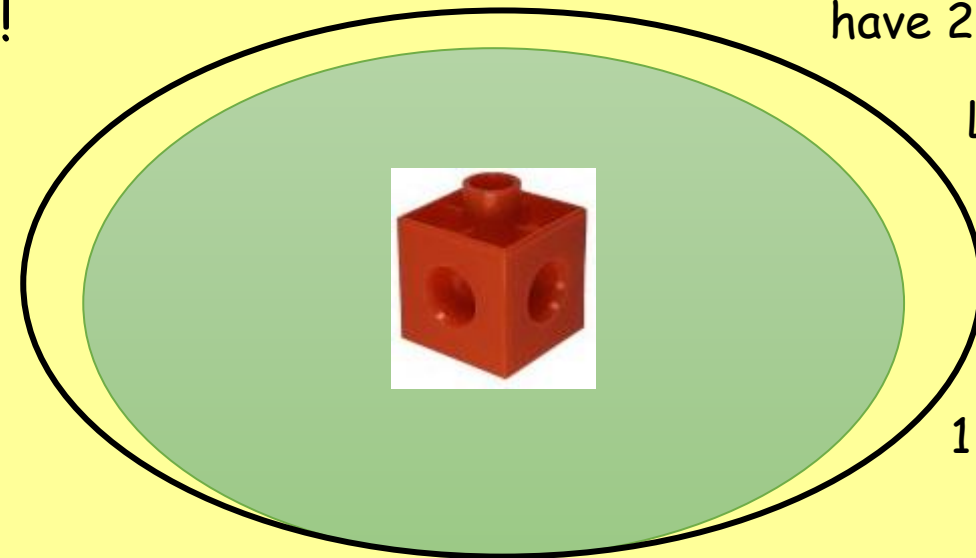


- When we half $\frac{1}{2}$ something, we split it into 2 parts. So we need to share the 2 cubes into 2 parts.

- Share the 2 cubes between the 2 bowls!

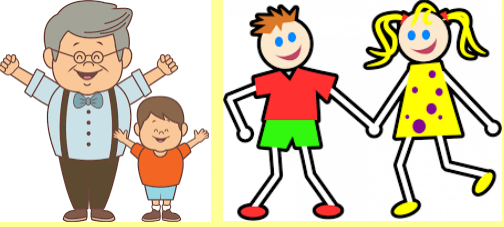


Now we have split the cubes into 2 parts. We now have 2 halves.



Let's circle 1 half.

1 half of 2 is 1!



Activity time: Work in pairs



You need:



1. Show your partners some cubes. Use less than 20.
1. Try to share the counters so each of you gets **half** of them!

Hint: Remember that if a number is halved equally, it means that both of you will have the **same amount**. You'll have an **equal amount each**.

Challenge: Can all numbers be halved equally?

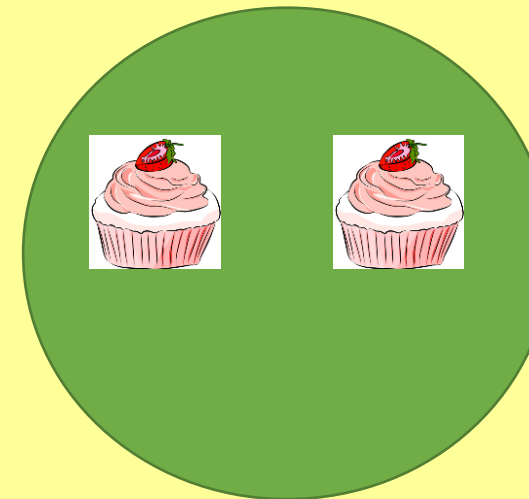
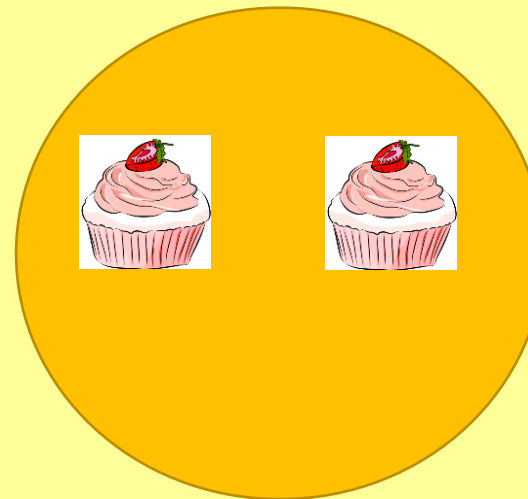
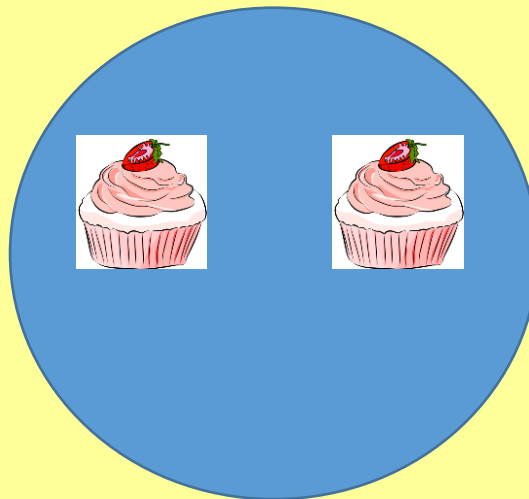
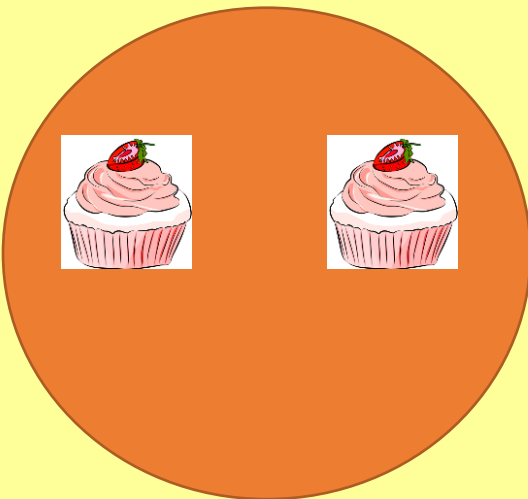


There are 8 cupcakes.



Mum says that if she gives each child a **quarter** $\frac{1}{4}$ of the cakes then they'll each have an equal amount. Is mum correct?

When we find a **quarter** $\frac{1}{4}$ of something, we split it into **4 parts**. So we need to **share** the cakes between the 4 children. Let find out what a quarter of 8 is!



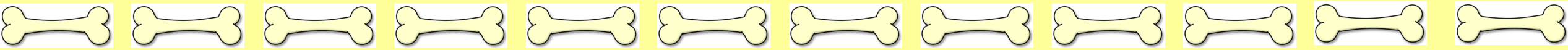
One quarter of 8 is 2!
Each child gets 2 cakes which is one quarter of the cakes.



Spud the dog has found **12 bones** in a hole.

He wants to take a **quarter** $\frac{1}{4}$ of the bones home.

What is a quarter of 12 bones?



Let's find out what a quarter of 12 is!

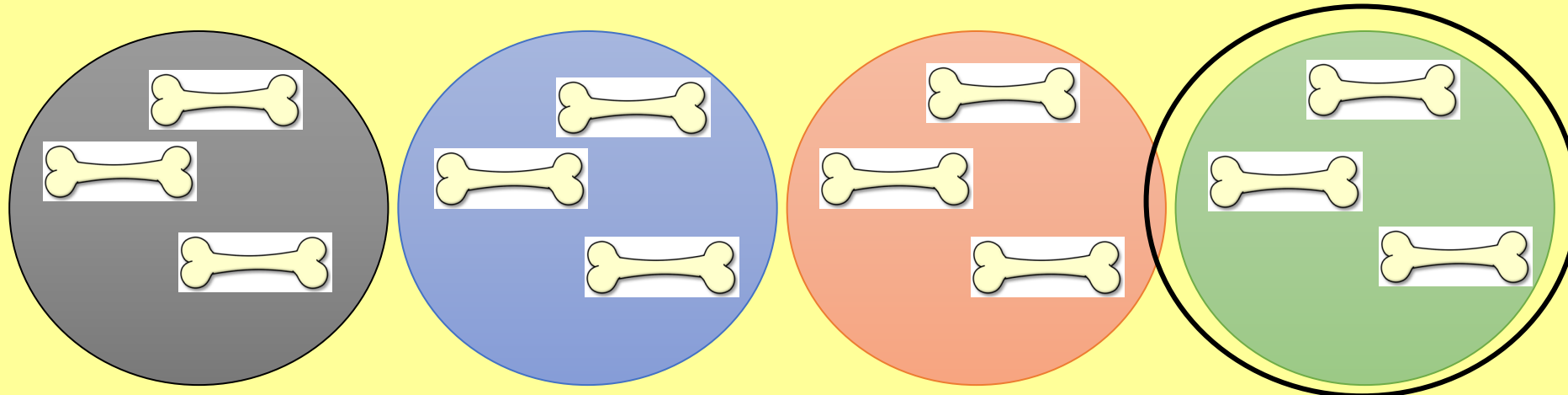
When we find a quarter $\frac{1}{4}$ of something, we split it into 4 parts.

So we need to **share** the bones between 4 groups.

Let's find out what a quarter of 12 is!

Now we have split the bones into 4 parts. We now have 4 quarters.

Let's circle 1 quarter.

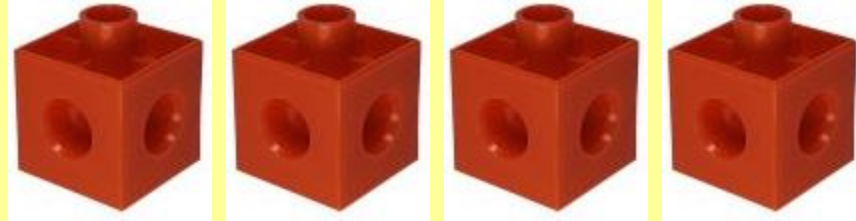


A quarter of 12 is 3!

Now it's your turn!

Lets find a quarter of 4!

- Get four cubes and 4 bowls.

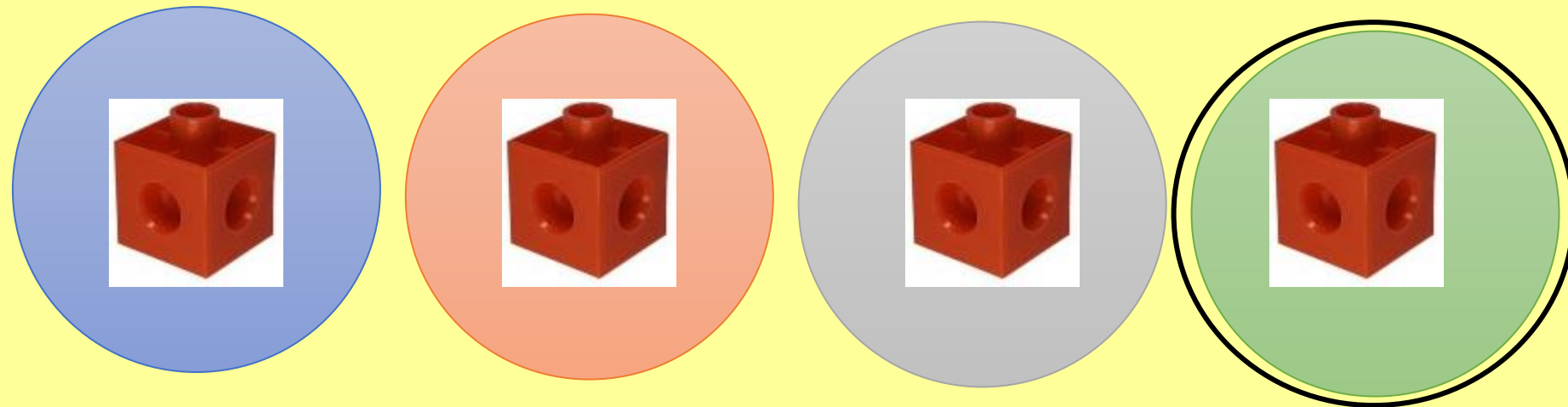


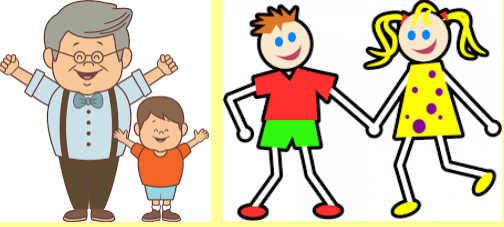
- When we find a quarter $\frac{1}{4}$ of something, we split it into 4 parts.
- So we need to share the cubes between 4 groups.
- Share the 4 cubes between the 4 bowls!

Now we have split the cubes into 4 parts. We now have 4 quarters.

Let's circle 1 quarter.

1 quarter of 4 is 1!





Activity time: Work in pairs



You need:



1. Show your partners some cubes. Use less than 20.
1. Try to share the counters into 4 quarters.

Hint: Remember that if a number is split into **quarters** equally, it means that both of you will have the **same amount**. You'll have an **equal amount** each.

Challenge: Can all numbers be split into quarters equally?