Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children need to recognise that these groups are equal and recreate the groups using different representations. Children will need access to various materials for grouping, such as number shapes, base ten blocks, counters, cubes, etc.

Look at the first set of images. How many groups are there?

How many are shown in each group?

Are they equal groups?

Can you represent these groups in a different way?

Can you show me the same groupings with equipment?

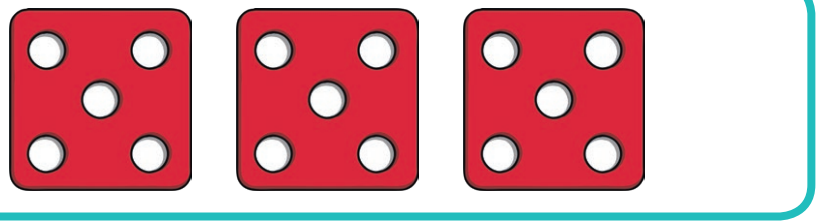
Can you show me the same groupings using pictures?

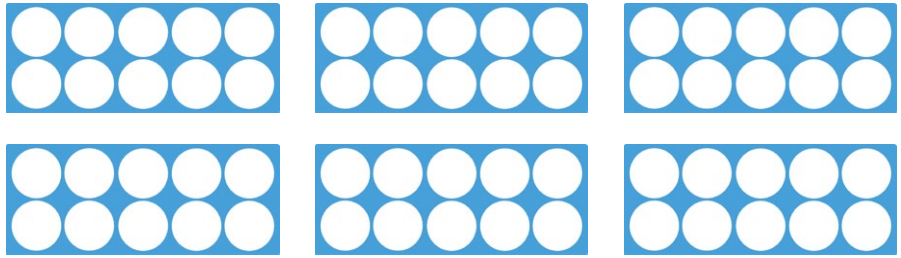
Can you think of another way to show these groups?

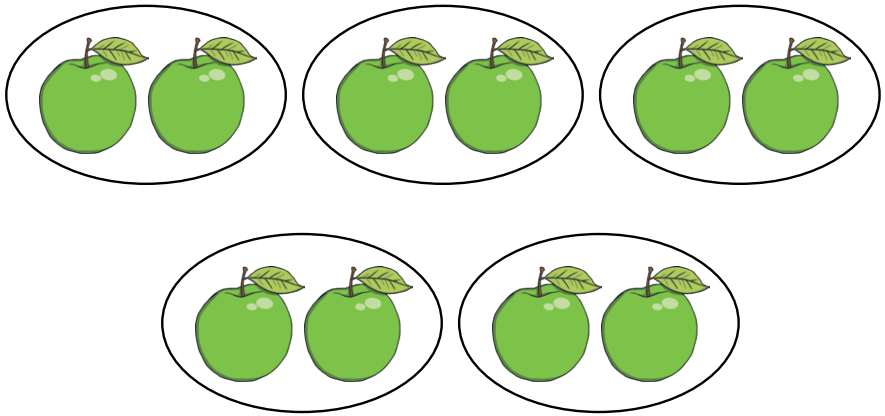
Repeat these questions with each set of images and gradually allow the children to lead the discussion.

Make Equal Groups

Represent each of these sets of equal groups in three different ways.







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Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children must look at each set. They must count how many groups there are, how many items are in each group and how many items there are in total. They must look for the group that doesn't fit the same pattern as the others.

Look at the first set. How many groups are there?

How many are in each group?

Are the groups equal?

Can you point to a set that shows two groups of five?

Is there more than one set that shows this?

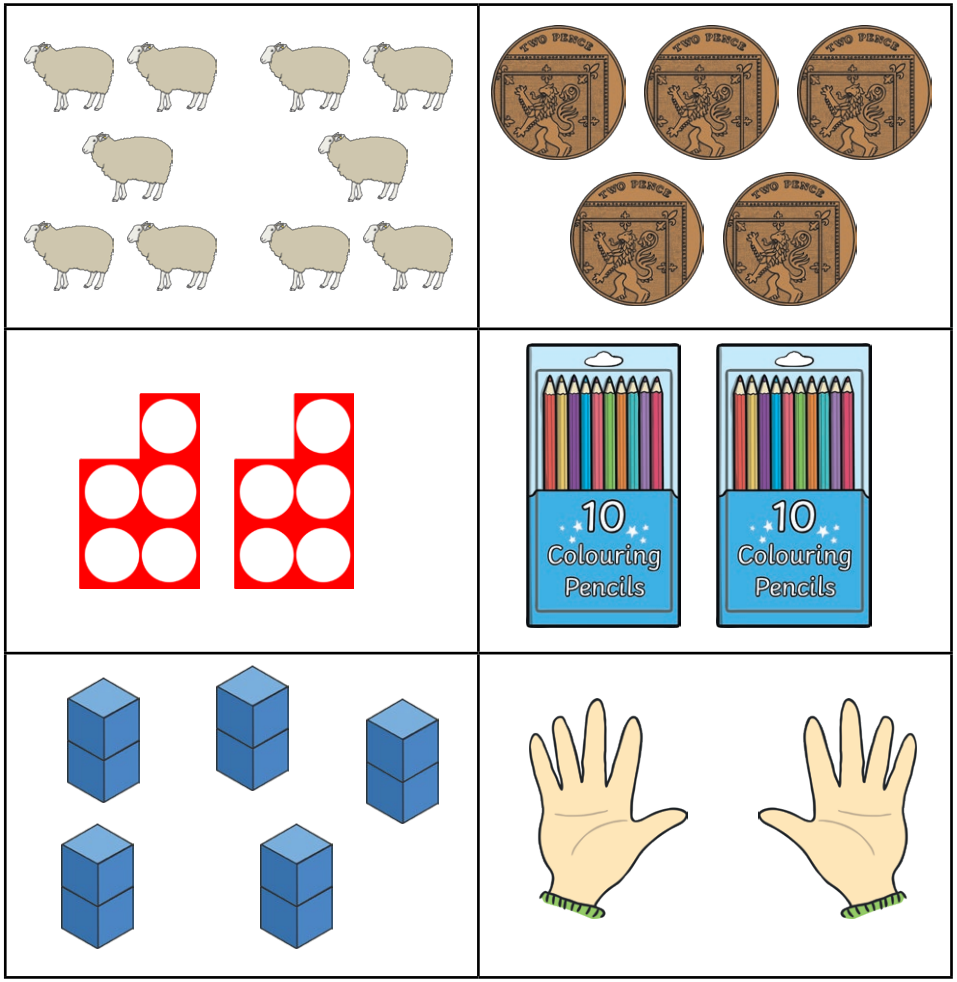
Can you point to a set that shows five groups of two?

Which set is the odd one out?

Why?

Make Equal Groups

Spot the odd one out.



Explain how you know that this is the odd one out.

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Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children find three different ways of making equal groups from 20 coins by grouping in twos, fives and tens. Children will need twenty 1p coins or twenty small objects to help them group practically. To extend the task, children can also investigate other ways of grouping 20 equally.

How many coins does Kazeem have?

Can you put the coins in equal groups of two/five/ten?

How many groups have you made?

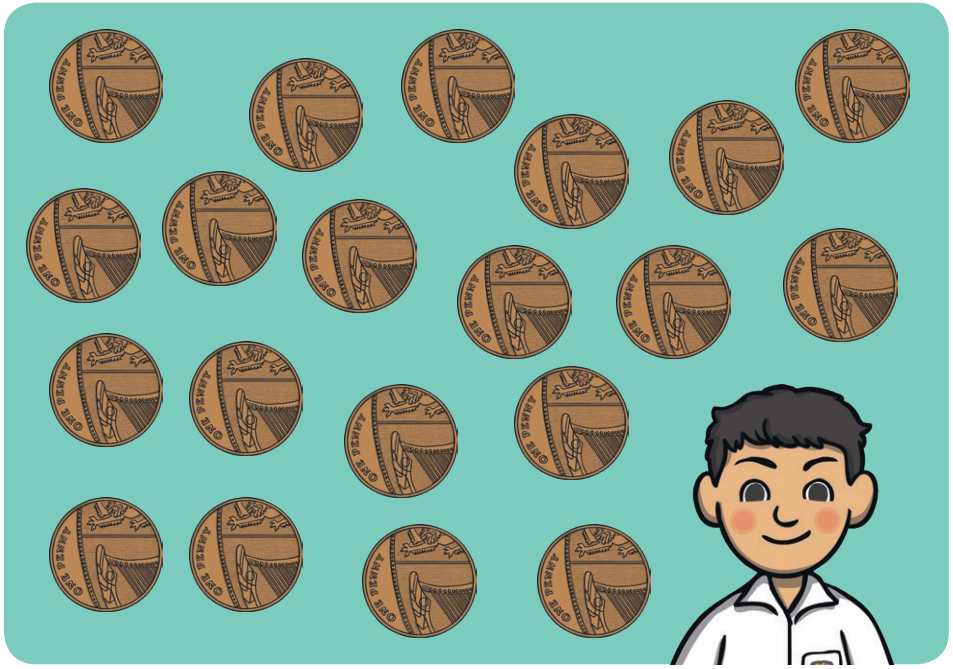
Are they equal groups?

Why is that important?

Are there any other equal groups we can make?

Make Equal Groups

Kazeem had twenty 1p coins.



How many groups will Kazeem make if he puts...

...two coins in each group?

...five coins in each group?

...ten coins in each group?

What other equal groups could Kazeem make?

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