Diving into Mastery – Diving

Adult Guidance with Question Prompts

Children should be able to represent numbers to 100 using a range of concrete materials.

Which number has nine tens?

When number has three tens?

Which number has one ten?

Which number has six tens?

Which is the largest number? Can you explain how you know?

Which is the smallest number? Can you explain, using concrete materials why it is the smallest?
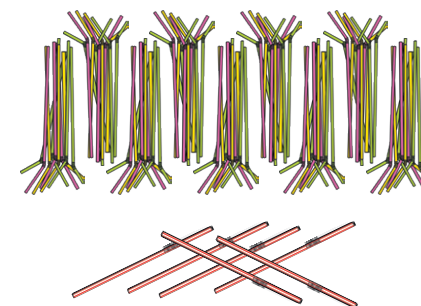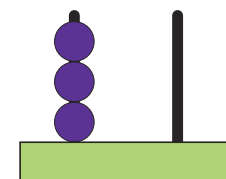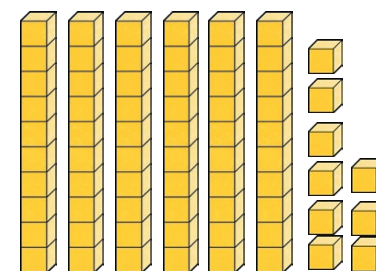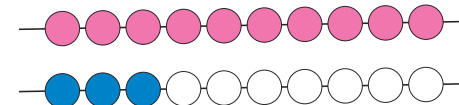
Representing Numbers

Match the numbers to the correct representation.

ninety-six

30

thirteen

69

Can you use concrete materials to make the following numbers: 25, 37, 84, 72.

Diving into Mastery – Deeper

Adult Guidance with Question Prompts

Children should be able to represent numbers to 100 using a range of concrete materials.

How many tens can you see in each different picture?

How many ones can you see in each different picture?

Which picture has a different number of tens to the rest?

Which picture has a different number of ones to the rest?

What number does each picture represent?

I think they all show the same number because I can see a four and a three in each representation. Do you agree? Why? Why not?

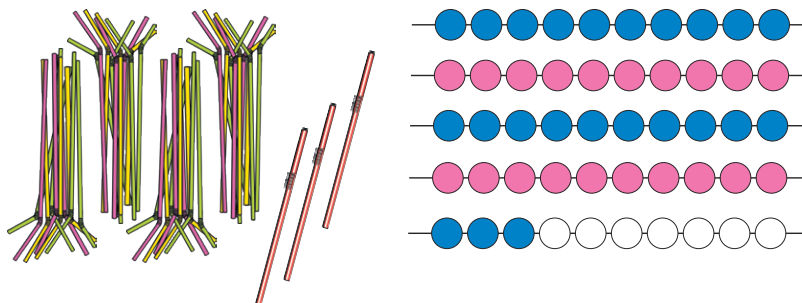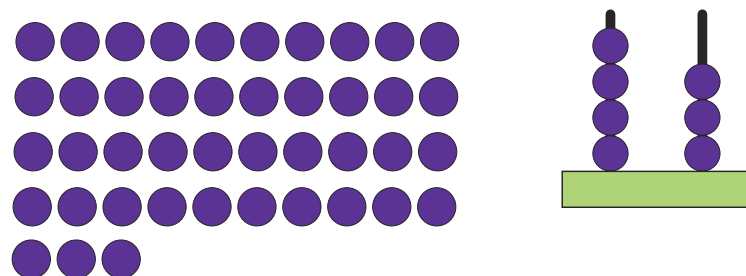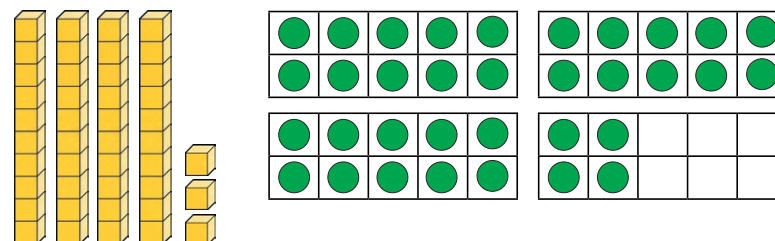Which picture shows a different number?

What is this number?

Can you explain how one picture is different? Can you find different ways to represent this number?

Representing Numbers

Which of these images is the odd one out?

Can you explain why?

Can you find different ways to represent this number?

Diving into Mastery – Deepest

Adult Guidance with Question Prompts

Children should be able to represent numbers to 100 using a range of concrete materials.

How can you make sure you have found all possible numbers?

Write your numbers down and order them from smallest to greatest.

Use concrete materials to prove you have found the smallest number.

Use concrete materials to prove you have found the largest number.

How many two-digit numbers can you make using the digit cards?

3 **0** **7**

What is the smallest number you can make?

Prove it using concrete materials!

What is the largest number you can make?

Prove it using concrete materials!