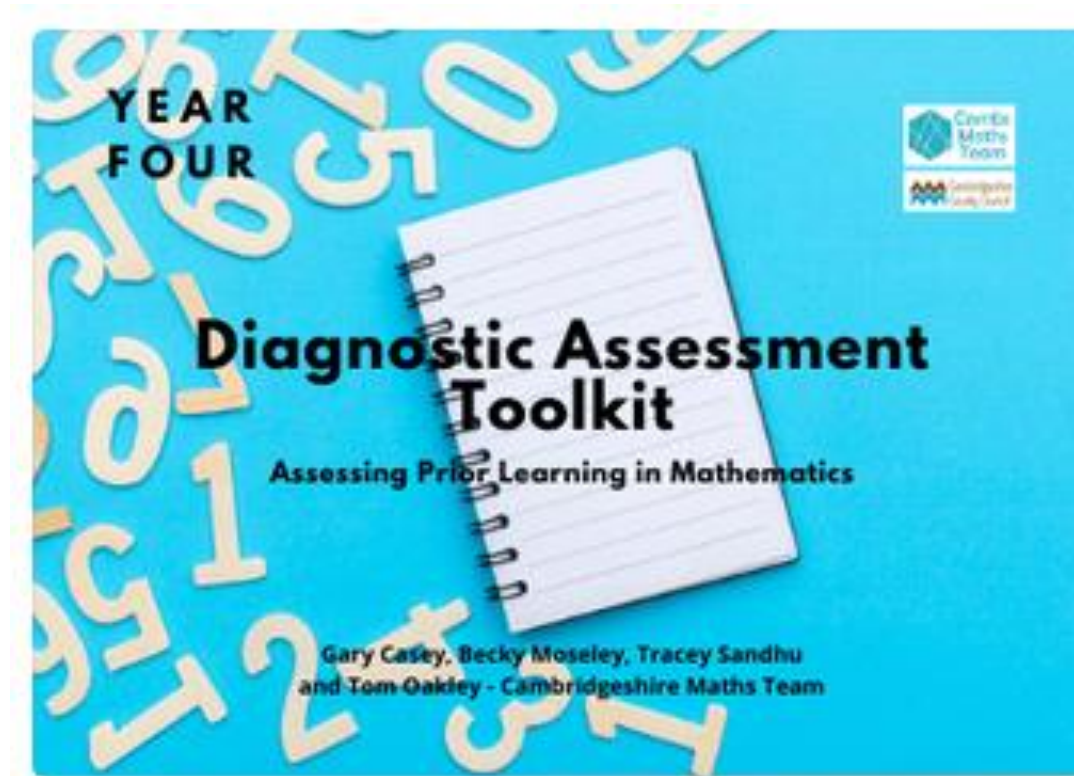
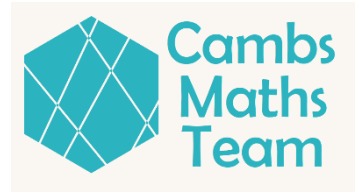


# Diagnostic Assessment Toolkit:

## Year 4



This is a companion guide for the **Diagnostic Assessment Toolkit: Year 4** created by the Cambs Maths Team. The featured activities can be carried out to assess children's understanding of their prior learning, from Year 3.

**Credit:** Some images of manipulative resources were created with [mathsbot.com](https://mathsbot.com)

# Place Value and Number

## Diagnostic assessment activities you could try:

- **What comes next in this sequence? – Ask children to say what will come next in the given sequences and why.**
- **Compare – Order a set of numbers and place them on a number line. Ask children to talk about how they know where a number should be positioned.**
- **Odd One Out – Compare different representations of three 3-digit numbers and 1 four-digit number.**
- **Multiple Choice – Round a number to the nearest 10/100, with given multiple choice options.**



# Place Value and Number

## What comes next?

What do you think will come next in these sequences?

A) 960, 970, 980,     ,     

B) 850, 900, 950, 1000,     

C) 1002, 1001, 1000,     ,     

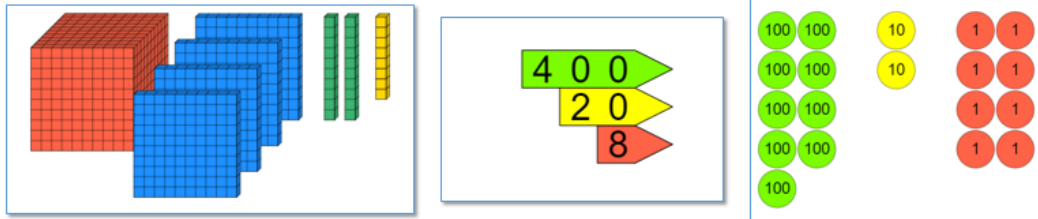
## Compare

Write these numbers in order and place them on the number line:

609 97 980 150 775 495



## Odd One Out



Which one do you think is the most different from the others?

Explain your answer.

## Multiple Choice

Which answer correctly shows this number rounded to the nearest 10?

473

a) 400    b) 470    c) 480    d) 47

# What comes next?

What do you think will come next in these sequences?

**A) 960, 970, 980, \_\_\_\_\_, \_\_\_\_\_**

**B) 850, 900, 950, 1000, \_\_\_\_\_**

**C) 1002, 1001, 1000, \_\_\_\_\_, \_\_\_\_\_**

# Compare

Write these numbers in order and place them on the number line:

**609**

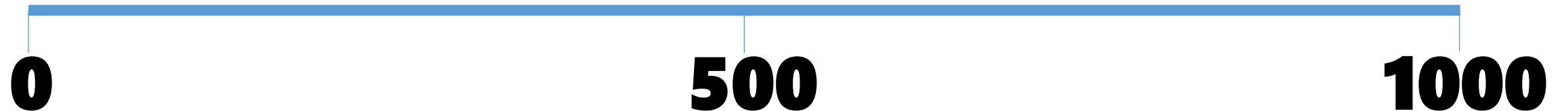
**97**

**980**

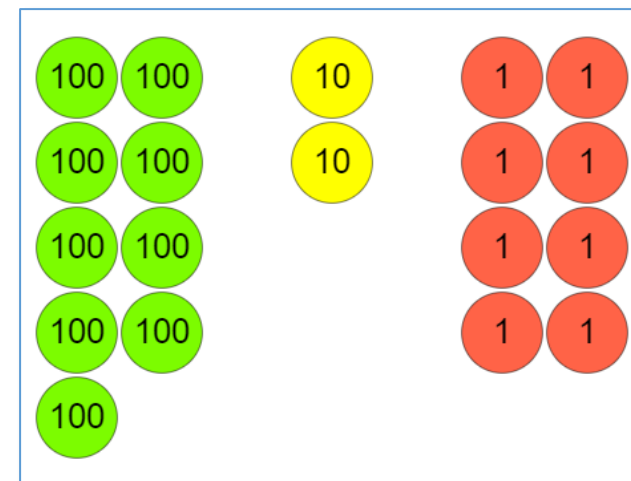
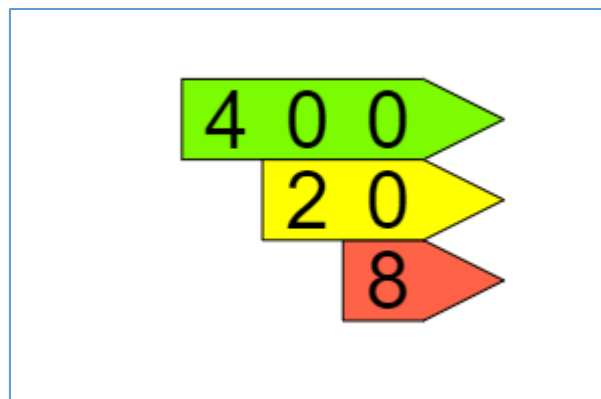
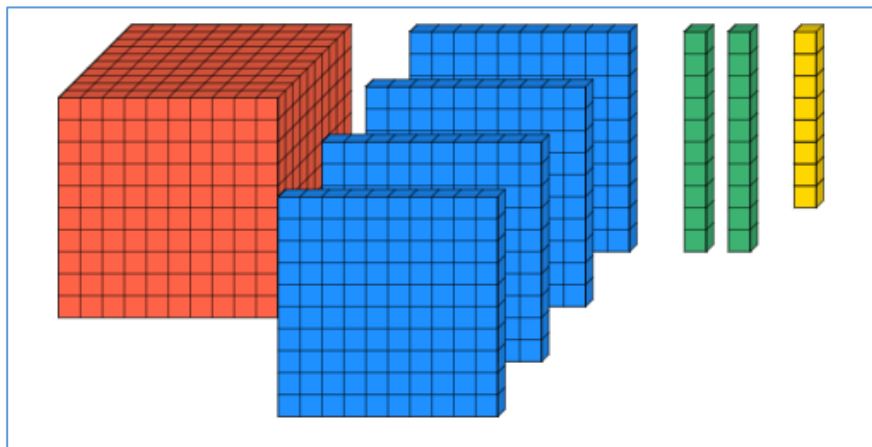
**150**

**775**

**495**



# Odd One Out



**Which one do you think is the most different from the others?**

**Explain your answer.**

# Multiple Choice

Which answer correctly shows this number rounded to the nearest 10?

**473**

**a) 400**

**b) 470**

**c) 480**

**d) 47**