

Diagnostic Assessment Toolkit: Year 5



This is a companion guide for the **Diagnostic Assessment Toolkit: Year 5 created by the Cambs Maths Team. The featured activities can be carried out to assess children's understanding of their prior learning, from Year 4.**

Credit: Some images of manipulative resources were created with mathsbot.com

Place Value and Number

Diagnostic assessment activities you could try:

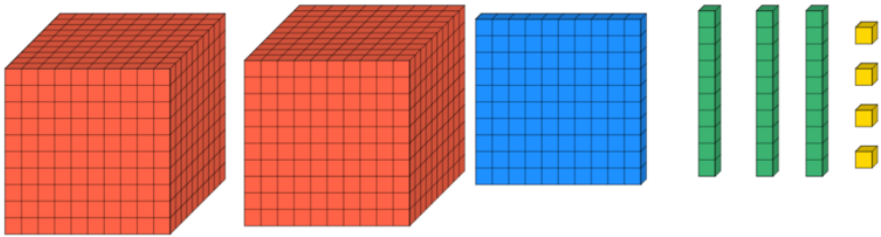
- **Show me** - After recording the number using numerals, ask the children how many different ways can it be partitioned?
- **Compare** - After reading each decimal number aloud, can it be placed correctly on the number line and the children explain why they have been placed where they have?
- **Estimate**– Give the children a blank number line and get them to place a small range of positive and negative numbers on it.
- **Who do you agree with?** – Show a concept cartoon of children's attempts at rounding. Which one is correct? What errors have been made?



Place Value and Number

Show me

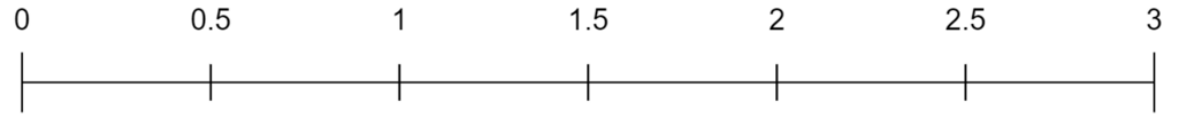
Partition this number in as many different ways as you can.



Compare

Place the following numbers on the line.

2.01 **1.6** **0.75** **1.25** **2.1**



Estimate

Estimate where the following numbers would go on the number line.

-2 **4** **7** **-5** **0**



Who do you agree with and why?

When I round 345 to the nearest 100, the answer is 400 because 345 is closest to 350 so that means you round up to 400.

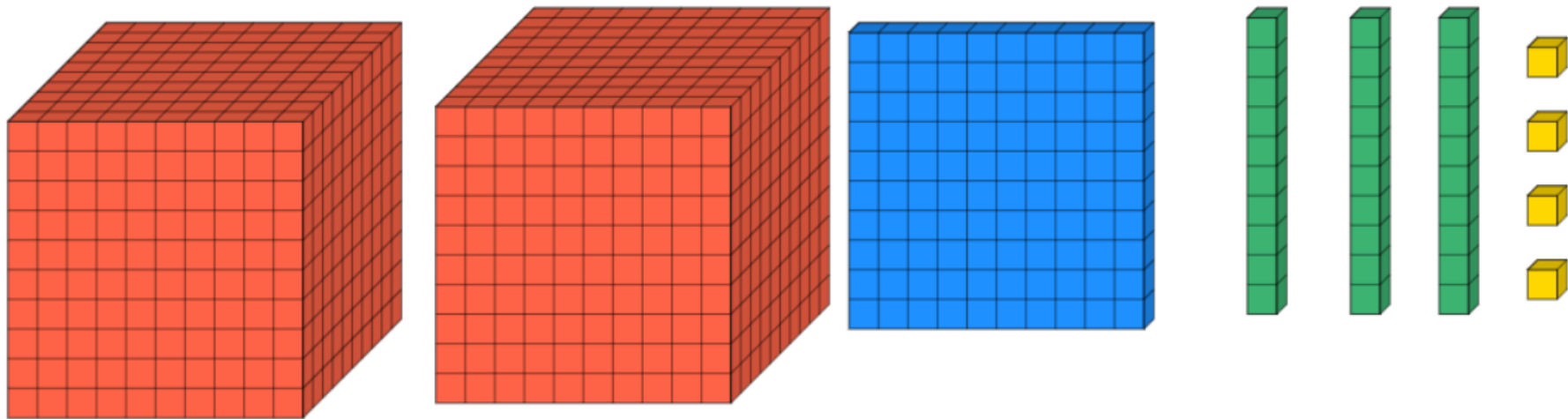


When I round 345 to the nearest 100, the answer is 300 because 345 is below 350 so that means you round down to 300.



Show me

Partition this number in as many different ways as you can.



Compare

Place the following numbers on the line.

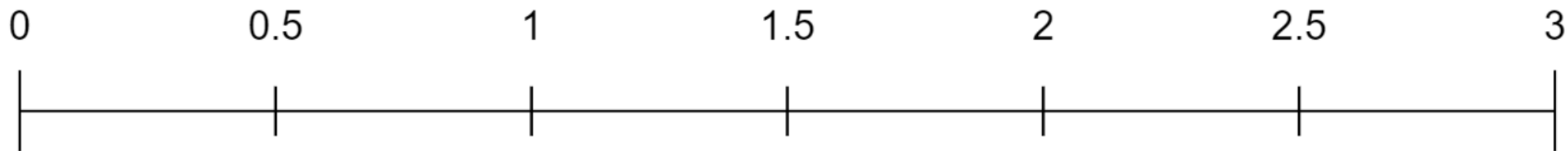
2.01

1.6

0.75

1.25

2.1



Estimate

Estimate where the following numbers would go on the number line.

-2

4

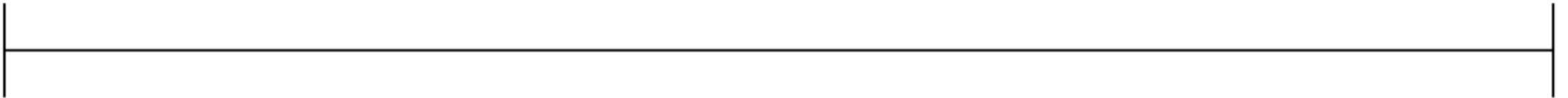
7

-5

0

-10

10



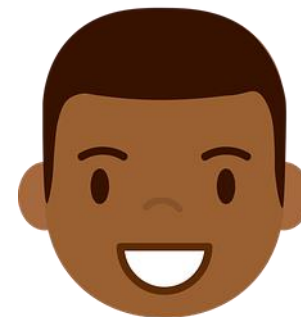
Who do you agree with and why?

When I round 345 to the nearest 100, the answer is 400 because 345 is closest to 350 so that means you round up to 400.



Olivia

When I round 345 to the nearest 100, the answer is 300 because 345 is below 350 so that means you round down to 300.



Harry