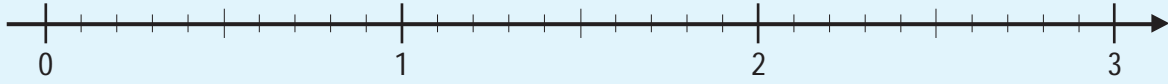


H. Decimal numbers on the number line

33. Rounding off decimal numbers into whole numbers

- 1 a. Mark on the following number line three decimal numbers that are close to 2.



Discussion Whose number is closest to 2?

- b. Mark on the line the number 2.4.
What is the integer closest to it? _____

On the number line, 2 is the integer closest to 2.4.
We say that 2.4 **approximately equals 2**.
In mathematical language we write: $2.4 \approx 2$
The sign \approx means **approximately equal**.

- c. For each of the numbers you have marked in section a, write in mathematical language that it is approximately equal to 2 .

- 2 Round off each of the following decimal numbers to a **whole number**:
- Draw a line from each decimal number to its approximate position on the line.
 - Write a whole number to which it is approximately equal.

0.587

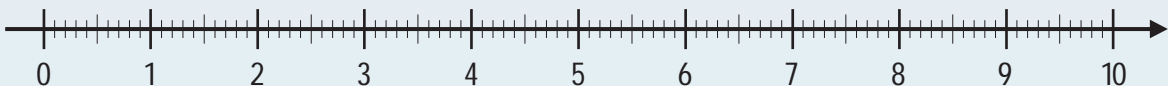
1.99

3.5

5.047

7.500

9.765



Discussion How did you round off 7.500?

The number 7.500 lies exactly in the middle between 7 and 8.
Therefore we can round it off to the closest whole number on its left or on its right : $7.500 \approx 7$ or $7.500 \approx 8$.