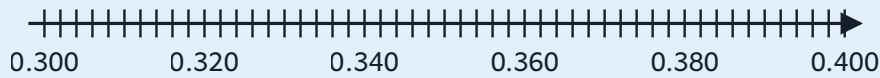


PLACING 0.342 ON THE NUMBER LINE

- 1 Start with the line from 0.3 to 0.4.
- 2 Each mark shows 0.01 so find the 0.34 mark.
- 3 The next small marks are thousandths: 0.341, 0.342, 0.343.
- 4 **0.342** sits three marks after 0.34.

WARM-UP

Mark the points on this blank number line from 0.3 to 0.4.



1. Mark 0.305 on the line
2. Mark 0.342 on the line
3. Mark 0.388 on the line

PRACTICE

- 1 In class the teacher draws a line from **0.4** to **0.5** and asks where **0.45** would sit.
Where does 0.45 sit on the 0.4 to 0.5 line?
- 2 A pupil notices **0.50** and wonders if it lands in the same place as **0.5**.
Where does 0.50 sit on the same line?
- 3 During maths the class zooms into the **0.3** to **0.4** line to place **0.342**.
Where does 0.342 sit on the 0.3 to 0.4 line?
- 4 The teacher asks the class to mark **0.456** on the tighter stretch from **0.4** to **0.5**.
Where does 0.456 sit on the 0.4 to 0.5 line?
- 5 Pupils use their ruler to place **0.388** between the marks on the classroom number line.
Where does 0.388 sit on the 0.3 to 0.4 line?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- | | |
|--|--|
| a. 0.500 lands on the same point as 0.5 on the number line. <input type="text"/> | c. A decimal between 0.4 and 0.5 has two decimal places. <input type="text"/> |
| b. You can place a thousandth exactly by zooming into a 0.01 stretch. <input type="text"/> | d. There is a limit to how many decimals fit between 0.34 and 0.35. <input type="text"/> |