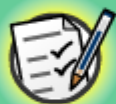


$$5 \times 7 = 35$$
$$20 + 2 = 22$$

Introducing Coordinates



Common core icons



This icon indicates a slide where the Standards for Mathematical Practice are being developed. Details of these are given in the Notes field.



Slides containing examples of mathematical modeling are marked with this stamp.



This icon indicates an opportunity for discussion or group work.

The **Standards for Mathematical Practice** outlined in the Common Core State Standards for Mathematics describe varieties of expertise that mathematics educators at all levels should seek to develop in their students.

These are:

- 1) **Make sense of problems and persevere in solving them.**
- 2) **Reason abstractly and quantitatively.**
- 3) **Construct viable arguments and critique the reasoning of others.**
- 4) **Model with mathematics.**
- 5) **Use appropriate tools strategically.**
- 6) **Attend to precision.**
- 7) **Look for and make use of structure.**
- 8) **Look for and express regularity in repeated reasoning.**



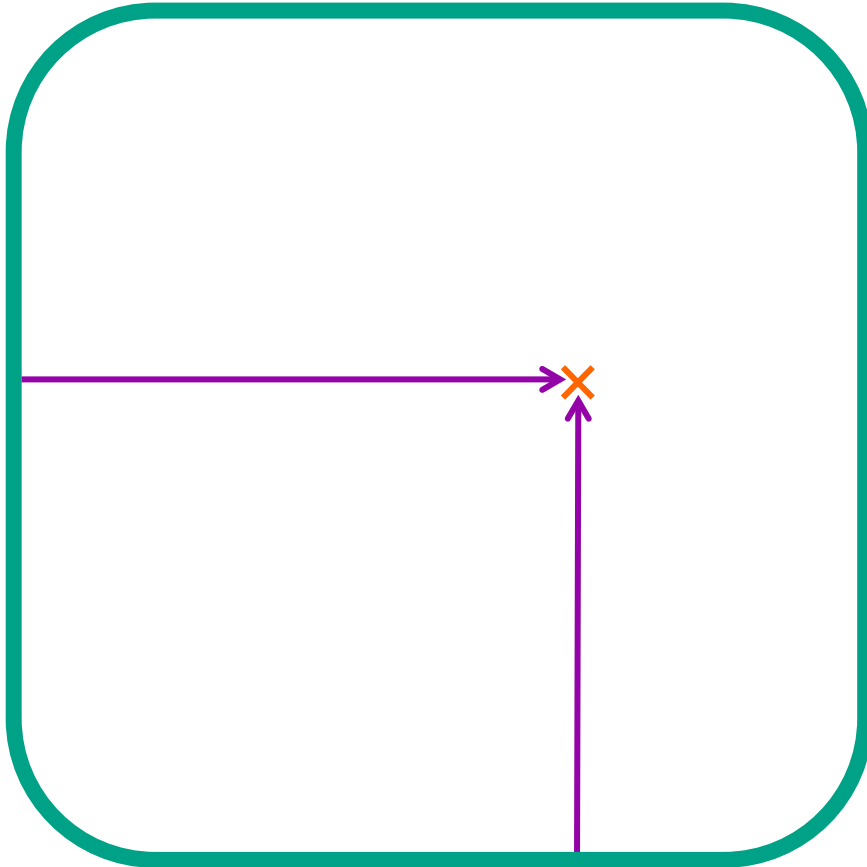
This icon indicates that the slide contains activities created in Flash. These activities are not editable.



This icon indicates teacher's notes in the Notes field.



How can we describe the location of this point in the box?

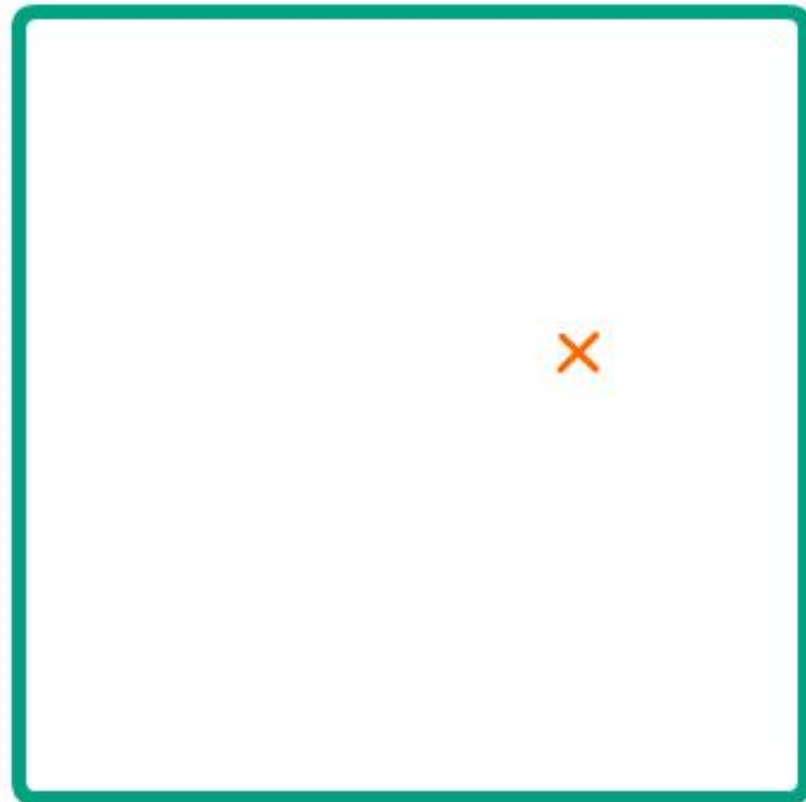


To locate this point we need to know two things:

- how far **left or right** it is
- how far **up or down** it is.



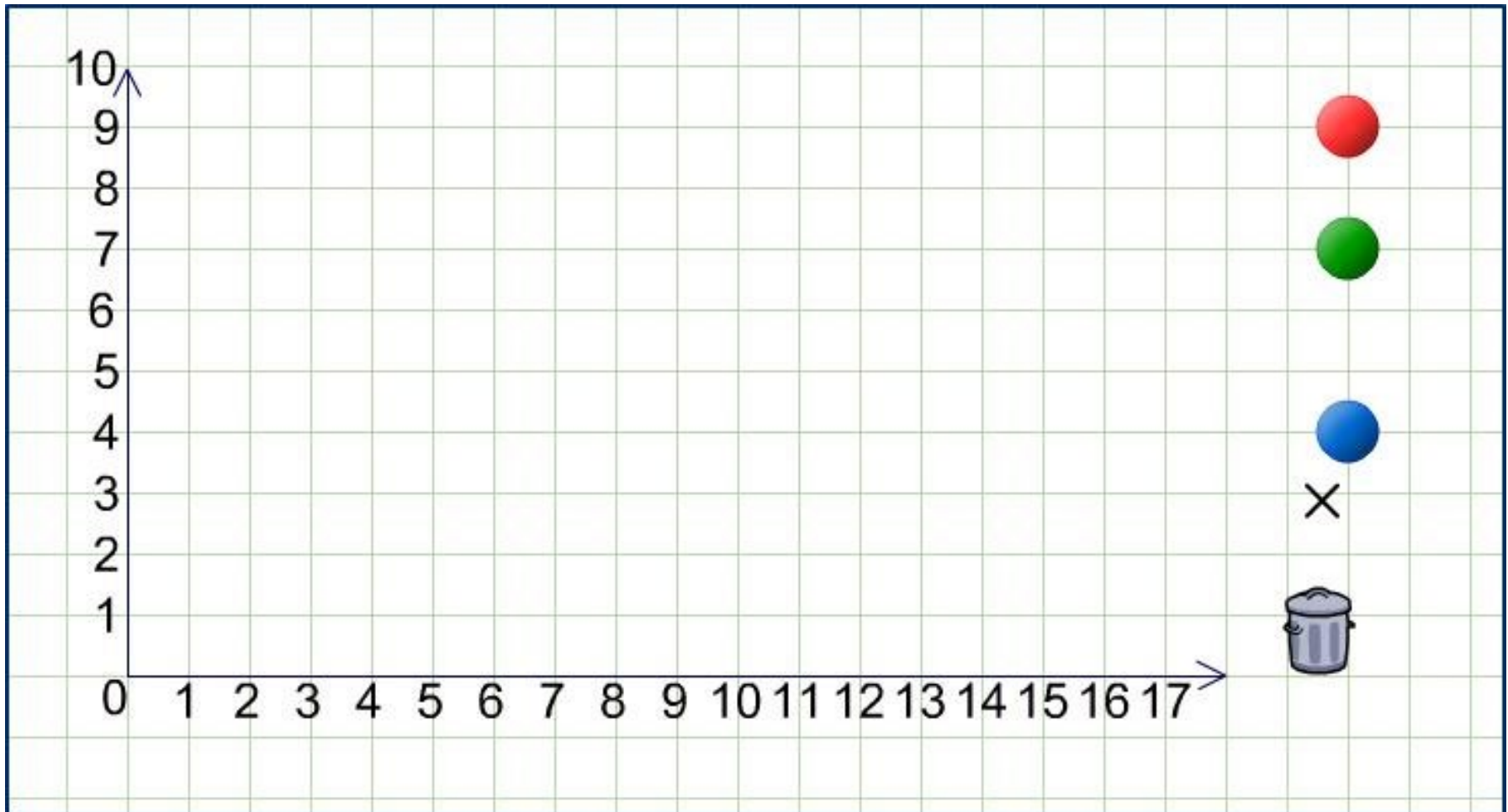
The coordinate grid



What tool could we use to help us describe the exact location of this point within the box?



Reading and plotting points

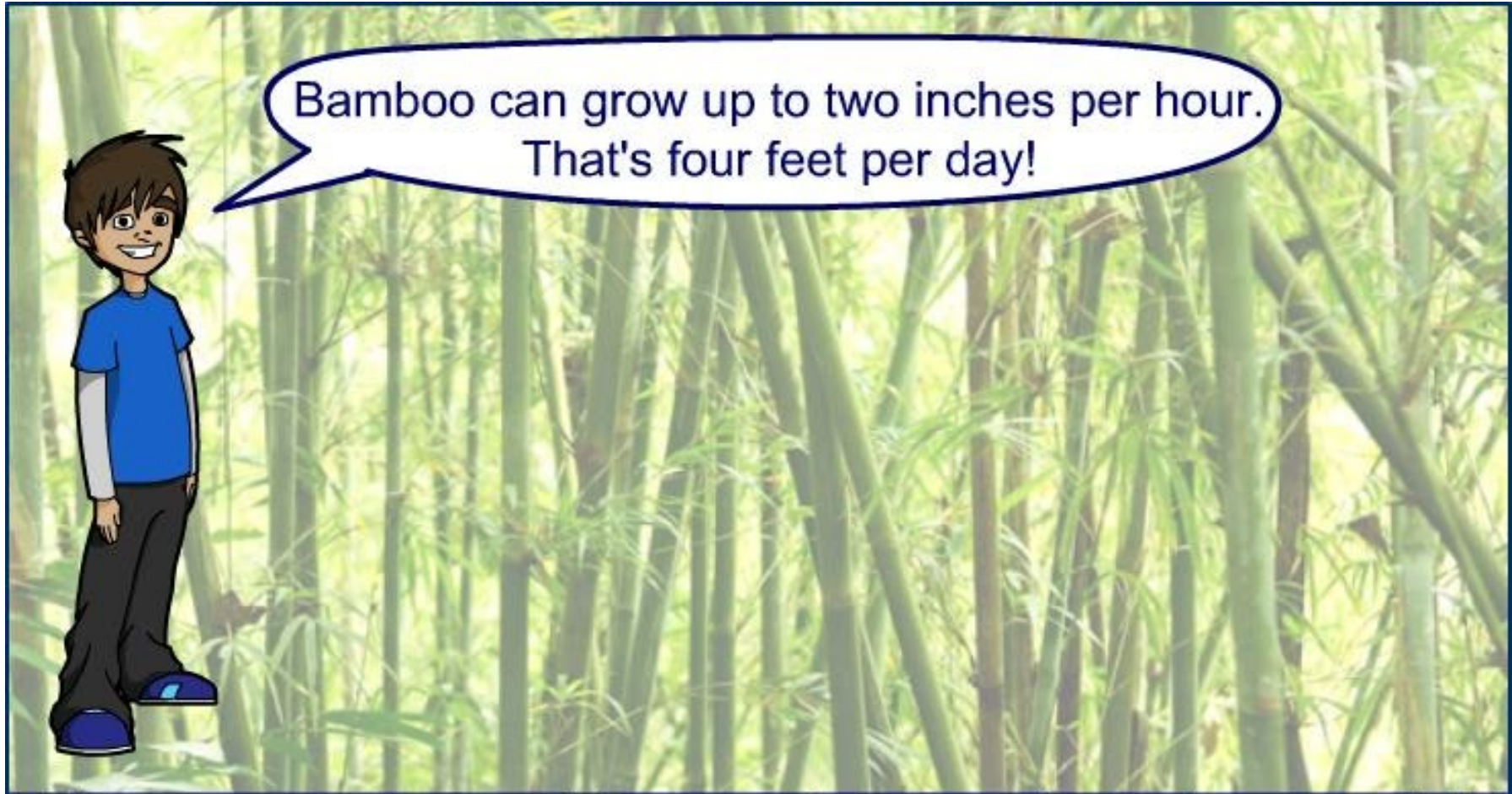


Plotting real-life data

MODELING



boardworks



Navigation bar containing icons for a trash can, a yellow highlighter, a pencil, and a series of orange buttons: a double left arrow, a right arrow, a double right arrow, a refresh arrow, and a question mark.





Read each question carefully.
Then use the graphs to find the
correct answer.

Press **start** to begin.

start





Test your knowledge of coordinates in this team quiz! Get into two teams: A and B. Each team will be represented by a basketball player. If your team answers a question correctly, your basketball player will score a point. The team with the highest score wins! Press **start** to begin.

start

