

The new key

Annotations

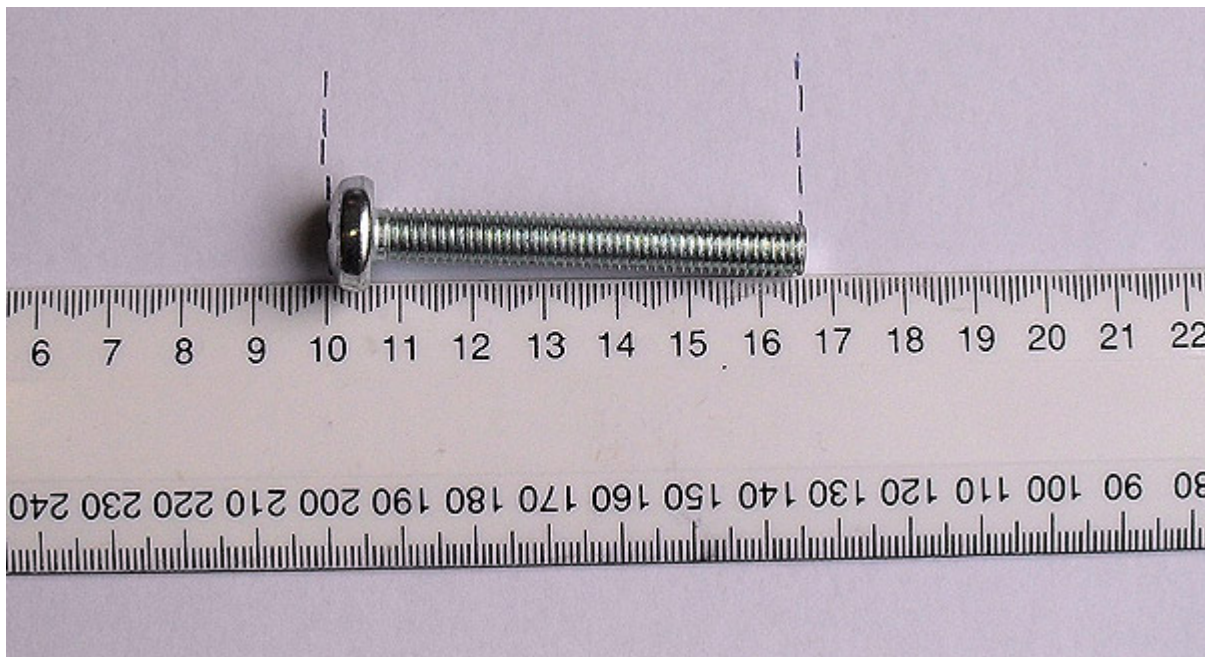
Emily understands that any point on an equal interval scale can be used as the zero point, and she can use and interpret a scale on a ruler. She demonstrates this understanding by treating the 10-centimetre mark as the start or zero point on a broken ruler and accurately measures the length of an object.

Problem: The new screw

The teacher tells the student that the school caretaker needs a new screw for the classroom door. The teacher gives the student a broken ruler and asks:

How long is the old screw in centimetres?

Student Response



Emily: 6.5 centimetres.

Teacher: How did you work out?

Emily: I placed one end on the 10. The other end goes to 16.5, so the screw is 6.5 centimetres long.