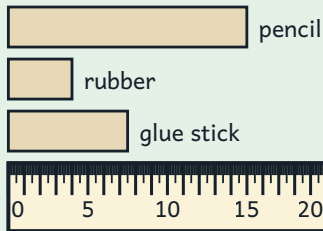


MEASURING A GLUE STICK

- 1 Line the zero mark up with one end of the glue stick.
- 2 Look where the far end reaches on the ruler.
- 3 The end sits between 7 and 8, closer to 7 so the length is 7 cm.

WARM-UP

Read each length off the ruler picture.



cm (read where each bar ends)

1. Read the length of the pencil
2. Read the length of the rubber
3. Read the length of the glue stick

PRACTICE

- 1 A new pencil looks about **15 cm** long before you measure it with a ruler.
Estimate then measure the length of a new pencil.
- 2 A rubber might be **4 cm** wide when you line it up with the zero on the ruler.
Estimate then measure the width of a rubber.
- 3 Put the start of a crayon against the **0** on the ruler then _____
read the mark at its other end which is near **8 cm**.
- 4 A glue stick is lined up with zero and its far end sits between **7** and **8** so read to the nearest centimetre.
Estimate then measure the length of a glue stick to the nearest centimetre.

? ALWAYS, SOMETIMES, NEVER

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

- | | |
|--|---|
| <p>a. You line up one end of an object with the zero mark before reading its length in centimetres.
<input type="text"/></p> <p>b. A classroom pencil measures exactly 20 cm.
<input type="text"/></p> | <p>c. The far end of an object lands exactly on a centimetre mark. <input type="text"/></p> <p>d. You begin measuring at the 1 cm mark on the ruler. <input type="text"/></p> |
|--|---|

REFLECT

When you estimated before measuring, were you usually close? What helped?