Name: _____

Centimeters and Millimeters

Part 1: Complete the table.

centimeters	1	3	12	40	145
millimeters					

Part 2: Circle the greater length for each pair.

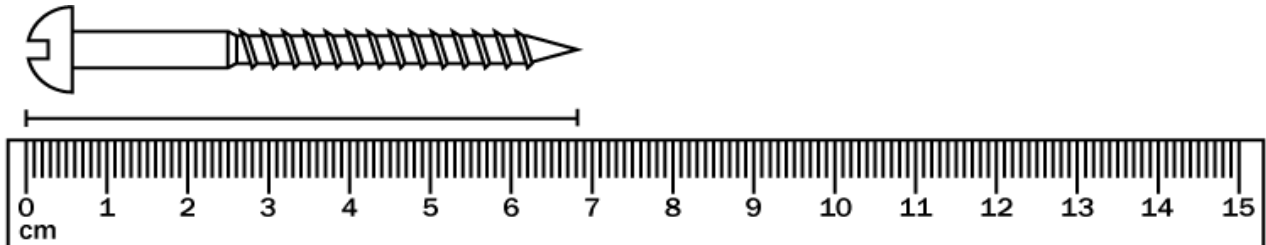**a.**   4 cm   45 mm   **b.**   50 mm   6 cm

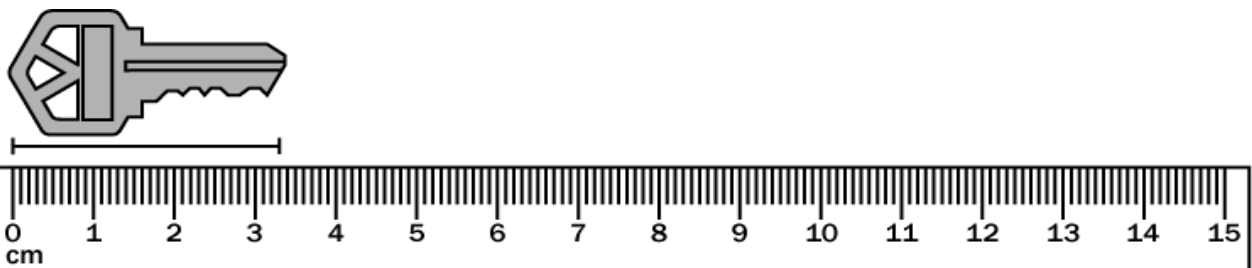**c.**   800 cm   1,000 mm   **d.**   3,200 mm   340 cm

Part 3: Measure to the nearest centimeter and/or nearest millimeter.
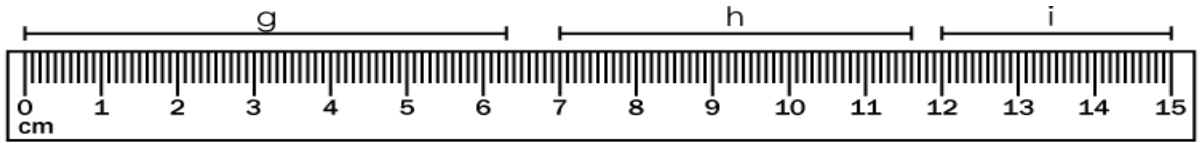

nearest cm = _____   nearest mm = _____

nearest cm = _____   nearest mm = _____

Part 4: *Measure* the line segments.

```
        ┌──────── g ────────┐    ┌────── h ──────┐   ┌──── i ────┐
  ┌─────────────────────────────────────────────────────────────────┐
  │ |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| │
  │ 0    1   2   3   4   5   6   7   8   9   10  11  12  13  14  15   │
  │ cm                                                               │
  └─────────────────────────────────────────────────────────────────┘
```

Find the length of line segment g to the nearest centimeter. _____

Find the length of line segment h to the nearest centimeter. _____

Find the length of line segment i to the nearest millimeter.   _____

Part 5: Choose the best estimate to answer each question.

About how tall is a plastic water bottle?
      a. 20 centimeters   **b.** 20 millimeters
      c. 200 centimeters   **d.** 2,000 millimeters

About how tall is a cereal box?
      a. 300 millimeters   **b.** 300 centimeters
      c. 3 centimeters   **d.** 3,000 millimeters

About how tall is a can of soup?
      a. 12 millimeters   **b.** 120 centimeters
      c. 40 millimeters   **d.** 12 centimeters

Part 6: Word Problems

Arthur's pencil was 14 centimeters long.
How many millimeters long was his pencil?   _____

Arthur just sharpened his pencil and now
it is 10 mm smaller. How long is his pencil
now?   _____

Samantha has a AA battery that is 51mm
long. About how many centimeters long is it?   _____

Centimeters and Millimeters

Part 1: Complete the table.

centimeters	1	3	12	40	145
millimeters	**10**	**30**	**120**	**400**	**1,450**

Part 2: Circle the greater length for each pair.
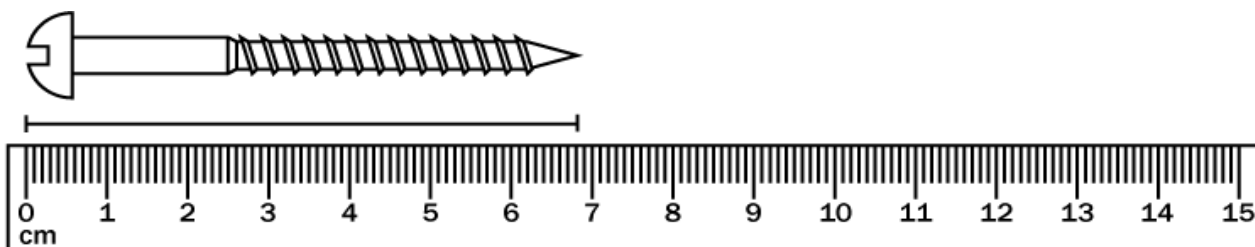
a.   4 cm   (45 mm)   b.   50 mm   (6 cm)

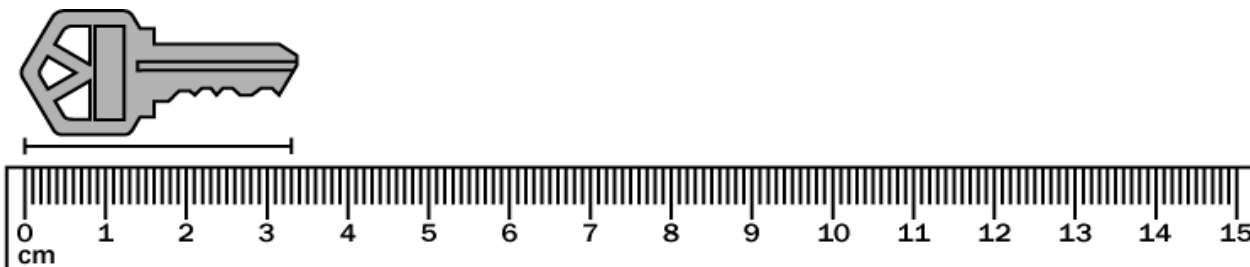c.   (800 cm)   1,000 mm   d.   3,200 mm   (340 cm)

Part 3: Measure to the nearest centimeter and/or nearest millimeter.

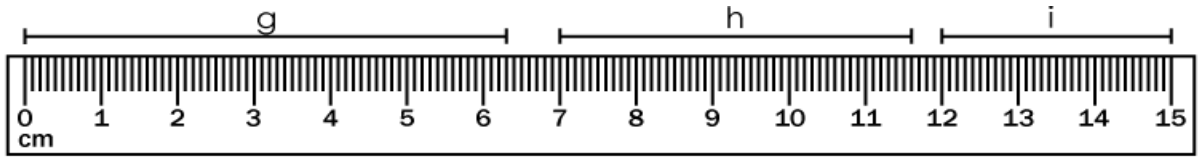nearest cm = **7cm**   nearest mm = **68 mm**

nearest cm = **3cm**   nearest mm = **33mm**

Part 4: *Measure* the line segments.

Find the length of line segment g to the nearest centimeter. **6 cm**

Find the length of line segment h to the nearest centimeter. **5 cm**

Find the length of line segment i to the nearest millimeter.   **30 mm**

Part 5: Choose the best estimate to answer each question.

About how tall is a plastic water bottle? **a**
    a. **20 centimeters**   **b.** 20 millimeters
    c. 200 centimeters   **d.** 2,000 millimeters

About how tall is a cereal box? **a**
    a. **300 millimeters**   **b.** 300 centimeters
    c. 3 centimeters   **d.** 3,000 millimeters

About how tall is a can of soup? **d**
    a. 12 millimeters   **b.** 120 centimeters
    c. 40 millimeters   **d.** **12 centimeters**

Part 6: Word Problems

Arthur's pencil was 14 centimeters long.
How many millimeters long was his pencil?   **140 mm**

Arthur just sharpened his pencil and now
it is 10 mm smaller. How long is his pencil
now?   **130 mm or 13 cm**

Samantha has a AA battery that is 51mm
long. About how many centimeters long is it?   **5 cm**