

**CAREER
PATHS**

Plumbing

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Express Publishing

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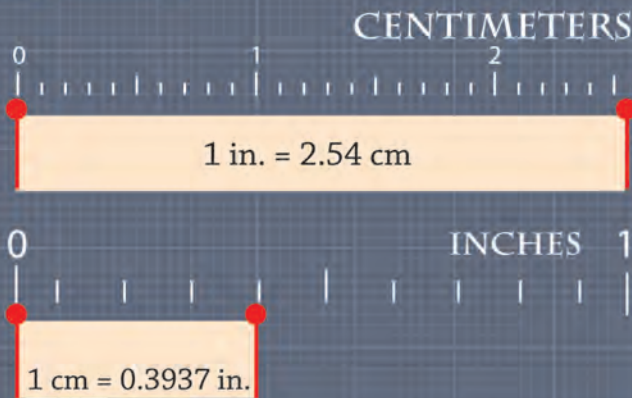
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Aplumb Supply

Measurements and Sizing

Aplumb is proud to serve clients around the world. We know that not all customers use the same measurements. For our North American clients, we provide **imperial** measurements. All pipe sizes are listed in **inches**. Weight measurements appear in **pounds**.

For clients outside North America, we also provide **metric** measurements. Pipe sizes are listed in **millimeters**. Weight measurements appear in **kilograms**.

Each region has its own page. Just click the link for the measurements you need. To convert measurements between systems, use our **conversion** calculators. Click 'Conversions'. You can convert inches to **centimeters** in an instant.

IMPERIAL

INCHES

POUNDS

METRIC

METERS

KILOGRAMS

CONVERSIONS

1 pound = 0.43 kilos

Note: Pressure measurements appear in both pounds per square inch (PSI) and kPa (kiloPascals) on all pages.

Get ready!

1 Before you read the passage, talk about these questions.

- 1 What are the two major measurement systems? Where are they used?
- 2 What are some common measures in the two systems?

Reading

2 Read the website for a pipe supplier. Then, mark the following statements as true (T) or false (F).

- 1 PSI is used in the metric system.
- 2 Kilograms are provided with the imperial product listings.
- 3 Aplumb lists two types of pressure measurement for each product.

Vocabulary

3 Match the words (1-6) with the definitions (A-F).

- | | |
|---------------------------------------|---------------------------------------|
| 1 <input type="checkbox"/> pound | 4 <input type="checkbox"/> centimeter |
| 2 <input type="checkbox"/> inch | 5 <input type="checkbox"/> kilogram |
| 3 <input type="checkbox"/> conversion | 6 <input type="checkbox"/> millimeter |

- A a metric measure of distance equal to 1/100 of a meter
- B the act of changing a measurement from one system to another
- C an imperial measure of distance
- D a metric measure of distance equal to 1/1000 of a meter
- E a metric measure of weight
- F an imperial measure of weight

4 Read the sentence pair. Choose where the words best fit the blanks.

1 **imperial / metric**

- A The _____ system uses pounds, not kilograms.
- B An inch is not a(n) _____ measurement.

2 **psi / kPa**

- A Metric pressure is measured in _____.
- B Imperial pressure is measured in _____.

- 5 Listen and read the pipe supplier's website again. What do the different systems use to measure length?

Listening

- 6 Listen to a conversation between two plumbers. Choose the correct answers.

- 1 What is the conversation mainly about?
- A the length of a pipe
 - B the weight of a pipe
 - C the location of a pipe
 - D the pressure a pipe can contain
- 2 What is true of the man?
- A He used the wrong type of pipe.
 - B He made a similar mistake before.
 - C He used to work in North America.
 - D He had never used metric measurements.

- 7 Listen again and complete the conversation.

Supervisor: Bill, can I talk to you 1 _____ ?

Plumber: Sure, boss. What is it?

Supervisor: This pipe is 2 _____ .

Plumber: It is? But I measured it twice. It was twenty-five 3 _____ each time.

Supervisor: That explains it. You measured in inches. We need the measurement in 4 _____ .

Plumber: Oh, my mistake. I'm so used to the 5 _____ .

Supervisor: That 6 _____ with plumbers who worked in North America.

Plumber: It won't happen again. I'll cut a new pipe to twenty-five centimeters.

Speaking

- 8 With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

Can I talk to you?

This pipe is ...

You measured in ...

Student A: You are a supervisor. Talk to Student B about:

- a problem with a pipe
- the measurement system used
- why the problem occurred

Student B: You are a plumber. Talk to Student A about a problem with a pipe.

Writing

- 9 Use the conversation from Task 8 to fill out the memo.

Jackson Plumbing

Employee MEMO

Recently, an employee cut several pipes using the wrong system of measurement. Review the list below to be sure you're familiar with the correct units for each system.

	Imperial	Metric
Weight:	_____	_____
Pressure:	_____	_____
Length:	_____	_____

