# Japanese – Stage 4 – How do Japanese homes measure up?

## Introduction

This resource provides an example of how numeracy can be embedded into teaching and learning programs in a meaningful, stage-appropriate way. It can be modified to suit your context, including the needs of your students.

## Syllabus outcomes

**ML4-UND-01** interprets and responds to information, opinions and ideas in texts to demonstrate understanding

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## Language structures

* What is a \_\_\_\_\_\_\_\_\_\_? (\_\_\_\_\_\_\_\_\_\_ は何ですか。)
* How many metres is it? How many *tatami* is it?

(何メートルですか。/ですか。)

* It is \_\_\_\_\_\_\_\_\_\_ metres. It is \_\_\_\_\_\_\_\_\_\_ *tatami*.

(\_\_\_\_\_\_\_\_\_\_ メートルです。/\_\_\_\_\_\_\_\_\_\_ です。)

## Numeracy skills

### Understanding units of measurement

Students:

* investigate and determine the different standard measurements used in Japanese floorplans, comparing *tatami* measurements to metres/centimetres (UuM6)
* calculate the area of the rooms to compare size (UuM8)
* make conversions between units of measurements (UuM8).

### Positioning and locating

Students create a floor plan of their own home or dream home using *tatami* measurements (PoL5).

## Further numeracy resources

* [Designing a vegetable garden](https://resources.education.nsw.gov.au/detail/TSM-12)
* [Laying floor tiles](https://resources.education.nsw.gov.au/detail/TSM-11)
* [Understanding area](https://resources.education.nsw.gov.au/detail/TSM-09)
* [Design a park [PDF 170 KB]](https://drive.google.com/file/d/12ifEsKx5q-sF01VscwoixvHv51LqEOHZ/view)

## Student worksheet

### Japanese homes and rooms – how do they measure up?

Read through the [blog post about Japanese homes](https://resources.realestate.co.jp/buy/guide-to-japanese-apartments-floor-plans-photos-and-kanji-keywords/).

Then, review the floor plan below and then answer the questions.



#### Questions

Answer the following questions in the language specified.

1. In English, describe what you noticed about the way the size of the rooms is measured.

|  |
| --- |
|  |

1. は何メートルですか。Answer in English.

|  |
| --- |
|  |

1. What are these called in Japanese? Answer in Japanese.

|  |  |
| --- | --- |
| 1. [entrance]は何ですか。 |  |
| 1. [balcony]は何ですか。 |  |
| 1. [toilet]は何ですか。 |  |
| 1. [bathroom]は何ですか。 |  |

1. What are these called in English? Answer in English.

|  |  |
| --- | --- |
| 1. ようしつは何ですか。 |  |
| 1. げんかんは何ですか。 |  |
| 1. wookuin kurosettoは何ですか。 |  |
| 1. kicchin/dainingu/ribinguは何ですか。 |  |

1. Answer the following questions using the standard *tatami* measurement. Show calculations.

|  |  |
| --- | --- |
| 1. ようしつ (1) は何メートルですか。 |  |
| 1. ようしつ (2) は何メートルですか。 |  |
| 1. kicchin/dainingu/ribunguは何メートルですか。 |  |

1. Create a floor plan of your own home or dream home using *tatami* (畳) as the measurement. Label each room in Japanese (*hiragana/romaji).*

## References

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