

# Kitchen Tiling

Literacy Level 25 • Maths Level 2–3 • Geometry and Measurement

Wise Up!



Inquiry Learning  
for Years 3 and 4

## Inquire to Learn!

+ - × ÷ + - × ÷ + - × ÷ + - × ÷ + - × ÷



There are many ways *Kitchen Tiling* can be used as a base for Inquiry Learning. This is just one suggestion.

**Session 1:** Using the Big Book, share-read *Kitchen Tiling*, stopping at natural points for discussion. Draw on the students' prior knowledge of DIY home repairs/alterations.

**Session 2:** Using the Big Book, work through the Specific Literacy Learning Outcome task and the Literacy Focus questions.

**Session 3:** Using the Small Books, have the children reread *Kitchen Tiling*. Model answering the Wise Up! on page 5. In their maths groups, have the children work through the Wise Ups! on pages 7, 8, 11, 13, and 14. Help individual groups as necessary.

**Session 4:** Complete the challenge on page 15. As an extension exercise, measure the classroom and work out how many tiles would be needed to cover the floor if the tiles were 50cm x 50cm. Are the corners right angles?

### Literacy Achievement Objective:

Recognize how texts are constructed for different purposes, audiences, and situations.

### Specific Literacy Learning Outcome:

Make meaning of increasingly complex texts by identifying main ideas. Ask, *What is the main idea in this book? Why do you think the author wrote this book?*

### Literacy Focus:

1. *Recall:* What did Mum and George use to see if the corners of the kitchen floor were right angles? (page 5)
2. *Inference:* If the corners are right angles, will that make tiling the floor easier or harder? (page 6)
3. *Vocabulary:* Have the children create a glossary for *Kitchen Tiling* by selecting challenging words from the text and looking up a dictionary for meanings.

### Numeracy Achievement Objective:

Create and use appropriate units and devices to measure area and turn (angle).

### Specific Numeracy Learning Outcome:

Find areas of rectangles by applying multiplication.