

Mission 4: School Kitchen Stocktake

Role: Kitchen Helper **Duration:** 45 minutes

Learning Intentions & Success Criteria

We are learning to:

- Use subtraction to work out how much stock has been used.
- Use division and rounding up to decide how many packs to order.

Success criteria — I can:

- I can find how much stock was used, using subtraction.
- I can explain why we round an order up, not down, to a whole pack.
- I can compare an order total to a budget and make a decision.

Curriculum focus: Number — subtraction, multiplication, and rounding up to whole units

Materials

- Stock cards or a simple price list
- Whiteboard
- Calculator
- Printed worksheet

Lesson Flow & Scripted Questions

Use these prompts rather than explaining the maths yourself — let students reason first.

Stage	Ask students
Context	"Has anyone helped out in a kitchen, canteen, or store before?" "How do the people running a kitchen know what to order next?"
Student Exploration	"Here's what was on the shelf on Monday, and what's there today. Work out what's missing — without me telling you how."
Discussion	"What operation did you use to find how much was used?" "Why does 'used' matter more than just 'what's left'?"
Introduce the Maths	"If we used 27 loaves and bread comes in packs of 12, how many packs do we need?" "27 ÷ 12 isn't a whole number — so what do we do?"
Reflection	"Why can't a kitchen order 'half a pack'?" "What could happen if the kitchen rounds down instead of up?"

Do Not Default To

- Writing the subtraction equation on the board before students try to work out what's 'missing' themselves.
- Letting 'order 2.25 packs' stand as a final answer — push for what that means in the real world.
- Skipping the budget check — it's what turns this into a real decision, not just a calculation.



Differentiation

Extra support:

- Use smaller, friendlier numbers for a first item before trying the full table.
- Allow physical counters to represent stock items being 'used' off a shelf display.

Extension / mentor track:

- Ask students to rank items by urgency if the budget can't cover everything.
- Introduce a second supplier with different pack sizes and ask students to compare which is better value.



Adapting This Mission To Your Community

- Replace the item list with what's actually used in your school kitchen, canteen, or a local community store.
- Use real pack sizes and prices if your kitchen or a local store is willing to share them.
- If a school kitchen doesn't fit, adapt this to a family pantry or a community store instead.

This mission uses a placeholder context. Please localise names, places, and any cultural knowledge in consultation with local Traditional Owners, Elders, or community members, and only include specific cultural knowledge that has been given permission to share.