

Australian Curriculum Outcomes

ACMNA106 Create simple financial plans

- creating a simple budget for a class fundraising event
- identifying the GST component of invoices and receipts

ACMNA132 Investigate and calculate percentage discounts of 10%, 25% and 50% on sale items, with and without digital technologies

- using authentic information to calculate prices on sale goods

ACMNA291 Use efficient mental and written strategies and apply appropriate digital technologies to solve problems

- using calculators to check the reasonableness of answers

ACMNA123 Select and apply efficient mental and written strategies and appropriate digital technologies to solve problems involving all four operations with whole numbers

- applying strategies already developed for solving problems involving small numbers to those involving large numbers
- applying a range of strategies to solve realistic problems and commenting on the efficiency of different strategies

ACMNA129 Multiply decimals by whole numbers and perform divisions by non-zero whole numbers where the results are terminating decimals, with and without digital technologies

- interpreting the results of calculations to provide an answer appropriate to the context

Scenario: Olive is setting up her own flat and wants to get the following items. She will only shop at Betta Home Living, as she really likes their jingle. She has \$3,500 and understands that Betta Home Living will give her a 5% discount if she spends more than \$3000 at the store. This is on top of any other discounts and special deals.

Can you help her select the items she wants and stay as close as possible to her budget?

Item	Specification
TV	Widest TV she can get for the lowest price
Refrigerator	Must be fridge/freezer and would love an external cold water dispenser/ice maker if affordable
Washing Machine	Must be at least 4 star energy rating or better
Clothes Dryer	Must match washing machine in size and style and be at least 4 star energy rating or better (can do without if not enough money)
Microwave	Only need a small one
Coffee Machine	If possible (can do without if not enough money). DeLonghi brand, with milk frother if possible.
Sound System	Portable, blue tooth, but with "big" sound
Vacuum cleaner	Must be bag less, and have a HEPA filter
Dishwasher	Must have 4 star energy rating or better, must be same colour as washing machine
Electric kettle	Must have auto safety shut-off, silver colour if affordable
Electric Wok	Just needs to cook my vegetable and tofu stir-fry
Electric Toaster	Two slices of toast at a time

Food Processor	Need 1000 watts of power and wide feed chute
Rice cooker	Nothing too complicated,

- You will need to use the supplied Betta Home Living Catalogue.
- Use the sheet below to select the items you have selected and explain why you have selected them.
- Read the catalogue carefully looking for special deals and gift cards will help Olive get all that she wants.
- In the column **“Why you chose this make and model”** in the Budget Sheet, you must give reasons why you selected the make and model that you did, especially if it is not exactly as specified by Olive.

Budget Sheet

Item	Specification	Why you chose this make and model	Cost
TV	Widest TV she can get for the lowest price		
Refrigerator	Must be fridge/freezer and would love an external cold water dispenser/ice maker if affordable		
Washing Machine	Must be at least 4 star energy rating or better		
Clothes Dryer	Must match washing machine in size and style and be at least 4 star energy rating or better (can do without if not enough money)		
Microwave	Only need a small one		
Coffee Machine	If possible (can do without if not enough money). DeLonghi brand, with milk frother if possible.		
Sound System	Portable, blue tooth, but with "big" sound		
Vacuum cleaner	Must be bag less, and have a HEPA filter		
Dishwasher	Must have 4 star energy rating or better, must be same colour as washing machine		
Electric kettle	Must have auto safety shut-off, silver colour if affordable		
Electric Wok	Just needs to cook my vegetable and tofu stir-fry		
Electric Toaster	Two slices of toast at a time		
Food Processor	Need 1000 watts of power and wide feed chute		
Rice cooker	Nothing too complicated		
		5% discount for shopping over \$3,000	
		other discounts	
		Total Cost	

5/6 Maths Budget Assignment

Marking Sheet

1. Meeting Olive's requirements

Item	Specification	Meets spec. = 2 Not meeting, but justifiable with good reason = 1 Does not meet spec. = 0
TV	Widest TV she can get for the lowest price	/2
Refrigerator	Must be fridge/freezer and would love an external cold water dispenser/ice maker if affordable	/2
Washing Machine	Must be at least 4 star energy rating or better	/2
Clothes Dryer	Must match washing machine in size and style and be at least 4 star energy rating or better (can do without if not enough money)	/2
Microwave	Only need a small one	/2
Coffee Machine	If possible (can do without if not enough money). DeLonghi brand, with milk frother if possible.	/2
Sound System	Portable, blue tooth, but with "big" sound	/2
Vacuum cleaner	Must be bag less, and have a HEPA filter	/2
Dishwasher	Must have 4 star energy rating or better, must be same colour as washing machine	/2
Electric kettle	Must have auto safety shut-off, silver colour if affordable	/2
Electric Wok	Just needs to cook my vegetable and tofu stir-fry	/2
Electric Toaster	Two slices of toast at a time	/2
Food Processor	Need 1000 watts of power and wide feed chute	/2
Rice cooker	Nothing too complicated	/2
	Total	/28

2. Understanding of Percentages/Formulas

Task	Always = 2 Sometimes = 1 Never = 0
Applied 5% discount correctly	/2
Added other special deals (e.g. Gift Card)	/2
Added totals successfully	/4
	Total
	/8

3. Stayed within budget

Less than \$100 over or under budget	4 marks
More than \$100 but less than \$300 over or under budget	3 marks
More than \$300 but less than \$500 over or under budget	2 marks
More than \$500 over or under budget	1 marks
	Total

Total

/40