



Sample assessment task

Year level	4
Learning area	Mathematics
Subject	Money and Financial Mathematics
Title of task	Birthday breakfast

Task details

Description of task	Students are to calculate the cost of buying the ingredients for a family breakfast. They have a total of \$30 to spend.
Type of assessment	Summative
Purpose of assessment	To assess students' ability to solve a multi-step worded problem involving money.
Assessment strategy	Written worksheet
Evidence to be collected	Booklet containing working out and final answer
Suggested time	1 hour

Content description

Content from the Western Australian Curriculum	Number and Algebra Money and Financial Mathematics Solve problems involving purchases and the calculation of change to the nearest five cents with and without digital technologies			
	Understanding	Fluency	Problem Solving	Reasoning
Proficiencies	✓	✓	✓	✓

Task preparation

Prior learning	Students have prior knowledge of: <ul style="list-style-type: none">counting and ordering small collections of Australian coins and notes according to their valuerepresenting money values in multiple ways, including counting the change required for simple transactions to the nearest five cents.
Assessment differentiation	Teachers should differentiate their teaching and assessment to meet the specific learning needs of their students, based on their level of readiness to learn and their need to be challenged. Where appropriate, teachers may either scaffold or extend the scope of the assessment tasks.

Assessment task

Assessment conditions	This is an individual, in-class assessment.
Resources	Writing materials

Instructions for teacher

Distribute the booklet of questions. Read through each question in the booklet with students. Ensure students understand they can use the boxes to show their thinking, or 'working out'.

Instructions to students

You have three siblings: two older sisters and one younger brother. It is your sister, Ellie's, birthday tomorrow. She is five years older than you and will be turning 15. You would like to prepare breakfast as your present to her; however, you know your other siblings will want to enjoy it too, so you will need to have enough food for four (4) people (including yourself). Mum and Dad haven't done the grocery shopping yet, so there is no food in the house. You have a total of \$30 to spend.

You must calculate:

- items you need to buy (and how many of each)
- the cost of each item
- how much money you have to spend
- the total cost for four (4) people.

1. Items you need to buy

Use the space below to make a list of everything each person will eat for breakfast. Include all food and drink (water is free).

Ellie (*really likes a cooked breakfast, with bacon and eggs*)

Daniel (*prefers a plain breakfast, like cereal and toast*)

Sophia (*would like a selection of fruit*)

You (*want just about everything you on the menu... you are always really hungry in the morning!*)

2. Cost of each item

Use the table below to highlight the items you need to buy. Use the information you have written in the boxes above to help you.

Item	Quantity (how much/how many you will need)	Cost of Item	Total per Item
Eggs		\$0.50 each	
Bread		\$0.25 a slice	
Muesli		\$0.40 a bowl	
Weet-Bix		\$0.25 a bowl	
Porridge		\$0.30 a bowl	
Milk		\$0.10 a glass	
Water		Free	
Butter		\$0.20 a serve	
Bananas		\$0.30 each	
Strawberries		\$0.50 for 10	
Plain yoghurt		\$1.00 a tub	
Honey		\$0.10 a serve	
Avocado		\$0.90 a half	
TOTAL			

Working out box

Reminder: How much money do you have to spend? Answer: _____

3. (a) What is the total cost?

Use the box below to write your answer, after you have added up the total from the table above.

(b) How much change will you get?

Total Cost of Breakfast (for all people)

Change left over

4. What is the total cost for each person? *Use the box below to help you work out your answer.*

Sample marking key

Description	Marks
Question 1: Items you need to buy	
List includes multiple items for all people eating breakfast, including the items specified for each person.	3
List includes some items for all people eating breakfast, including most of the items specified for each person.	2
List includes a few items for most people eating breakfast, including some of the items specified for each person.	1
Subtotal	3
Description	Marks
Question 2: Cost of each item	
Correctly indicates quantity of items, uses effective mental and written strategies to accurately calculate the cost of each item, and shows thinking in 'working out' box.	3
Correctly indicates quantity of items, uses some mental and written strategies to calculate the cost of each item, and shows some thinking in 'working out' box.	2
Correctly indicates quantity of items, uses limited or incorrect strategies to calculate the cost of each item, and shows limited or no 'working out'.	1
Subtotal	3
Description	Marks
Question 3a: What is the total cost?	
Question 3b: How much change will you get?	
Uses effective mental and written strategies to accurately calculate the total cost and uses the correct operation to correctly calculate the amount of change left over. Shows thinking in 'working out' box'.	3
Uses mental and written strategies to accurately calculate the total cost and uses the correct operation to calculate the amount of change left over. Shows thinking in 'working out' box.	2
Uses some mental and written strategies to calculate the total cost and the amount of change left over; however, there may be some inaccuracies in calculations.	1
Subtotal	3

Description	Marks
Question 4: What is the total cost for each person?	
Uses effective mental and/or written strategies to accurately calculate the total cost for each person and shows thinking in 'working out' box. Information is clearly presented in a logical way to show understanding.	3
Uses mental and/or written strategies to calculate the total cost for each person and shows thinking in 'working out' box. Information is clearly presented to show understanding.	2
Uses limited mental and/or written strategies to calculate the total cost for each person and information presented is inaccurate and/or incorrect. Information presented may be illogical or unclear.	1
Subtotal	3
Total	12