

MANILLA CENTRAL SCHOOL - ASSESSMENT TASK NOTIFICATION

STAGE 4 – 2023

MATHEMATICS

Ms Gouvoussis



Task Number: 1

Notification Date: Term 1, Thursday Week 7, 9/03/2023

Weight: 25%

Due Date: Term 1, Thursday Week 9, 23/04/2023

BEST BUYS ASSIGNMENT

OUTCOMES ASSESSED

MA4-2WM applies appropriate mathematical techniques to solve problems

MA4-3WM recognises and explains mathematical relationships using reasoning

MA4-4NA compares, orders and calculates with integers, applying a range of strategies to aid computation

MA4-5NA operates with fractions, decimals and percentages

MA4-6NA solves financial problems involving purchasing goods

TASK DESCRIPTION

Students are to attempt all questions of the assignment.

Students will need to write all answers and working in the provided spaces. This is intended to be a non-calculator assessment, full marks will not be given without hand written working as evidence of mental calculations.

Students will answer questions using:

- mathematical language
- symbols
- graphical representations

TASK INSTRUCTIONS

- Some class time will be allocated but students are expected to spend some time at home working on their assignment.
- The task should be submitted directly to your class teacher by 3.20pm on the due date.

Classroom Teacher's signature: _____ Ms D Gouvoussis

Head Teacher Secondary Studies' signature: _____ Ms. A. Nott

Principal's Signature: _____ Mrs R Ferguson

INDEPENDENCE IN COMPLETING TASK

This assessment task is supposed to be a reflection of your own understanding. We understand that you may need help with some questions to give it your best shot. Please fill in the log below anytime you have help from a parent, another student or a teacher/aid.

[illegible]

Section 1: Addition, Subtraction and Rounding (22 marks)

- a) What is the amount in dollars and cents shown here? (1 marks)



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If you paid for an item at the canteen with a \$10 note and received that amount of change, how much must have the item cost? (2 marks)

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Working Space

Questions (b) to (e) are worth 2 marks each.

b)

$$\begin{array}{r} \$93.26 \\ + \$65.54 \\ \hline \end{array}$$

c)

$$\begin{array}{r} \$44.49 \\ + \$61.86 \\ \hline \end{array}$$

d)

$$\begin{array}{r} \$36.79 \\ - \$23.14 \\ \hline \end{array}$$

e)

$$\begin{array}{r} \$474.61 \\ - \$266.74 \\ \hline \end{array}$$

- f)** Write a number story (2 or so sentences) with money involving addition and subtraction. Answer your story showing full working and draw a possible combination of notes/coins for your answer. (3 marks)

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Working Space and Note/Coin Drawing Area

- g)** Round the following to the nearest dollar.
(1 mark each)

i. \$42.37 = _____

iii. \$ 27.85 = _____

ii. \$6.49 = _____

iv. \$1999.99 = _____

- h)** Round the following to the nearest 5c.
(1 mark each)

v. \$38.67 = _____

vii. \$ 57.85 = _____

vi. \$106.33 = _____

viii. \$0.193 = _____

Section 2: Percentages (6 marks)

- a) A shop buys a scooter for \$30.00 and marks it up by 120%. What is the sale price? (2 marks)



- b) A dress was \$80.00, it goes on sale for \$68.00. What was the percentage discount applied? (2marks)



- c) A caving helmet costs \$130.00. Calculate the GST that must be added on and find the final price.



Section 3: Calculating Best Buys (12 marks)

Calculate the unit price of each item to decide which is the best buy. Show all working. (3 marks each)

(a)

100pk 200g
\$4.50



50pk 100g
\$2.50



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The best buy is

(b)



Beef Oyster Blade Steak
600g

\$12⁰⁰

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Beef
Porterhouse Steak Medium
700g

\$18⁸⁵
Was \$20.80

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The best buy is

(c)



Baxter's Dog Food Chicken
& Vegetables 8kg

\$13⁰⁰

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Supercoat Smartblend Adult
Chicken Dry Dog Food - 18 kg

Was \$54.99
Now \$49.00

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The best buy is

(d)



Vaalia Blueberry Yoghurt
900g

\$4⁰⁰
Was \$5.50

This yogurt is now reduced by 20%.

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Jalna Sweet & Creamy
Greek Yoghurt 1kg

\$5⁰⁰
Was \$7.00

This yogurt is now reduced by 25%

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The best buy is

Marking Guidelines

		3 marks	2 marks	1 mark	0 marks
Section 1	(a)	Correctly add the coins. Calculate the correct change from \$10, showing all working.	2 of the following: Correctly add the coins. Calculate the correct change from \$10, showing all working.	1 of the following: Correctly add the coins. Calculate the correct change from \$10, showing all working.	No attempt or irrelevant
	(b) to (e)		Correct answer with evidence of trading/working as required.	Partially correct attempt	No attempt or irrelevant
	(f)	Writes a number story involving both adding and subtracting. Shows full working. Draws coins/notes representing the solution	2 of the following: Writes a number story involving either adding and subtracting. Shows full working. Draws coins/notes representing the solution	1 of the following: Writes a number story involving either adding and subtracting. Shows full working. Draws coins/notes representing the solution	No attempt or irrelevant
	(g) and (h)			Correct rounding shown	No attempt or irrelevant
Section 2	(a) to (c)		Correct solution and full working	Either Correct solution OR Partially correct attempt	No attempt or irrelevant
Section 3	(a) to (d)	Correct working for both items and correctly identifies best buy	Show partially correct working to compare items and identifies best buy based on their working	Correctly identified best buy	No attempt or irrelevant
Independence in task completion		Completed independently	Completed with minimal assistance	Working towards independent completion	No attempt or irrelevant
				Total Marks	/40

Additional Feedback:

Signature: _____ **Date:** _____

Signature: _____ **Date:** _____