

14. Rainfall for the last 5 days of a certain month are shown below

Day of the Week	Amount of Rainfall
Monday	2 inches
Tuesday	1.5 inches
Wednesday	1.5 inches
Thursday	2.5 inches
Friday	3 inches

- (a) Which day had 0.5 inches more rain than Wednesday?

Answer: \_\_\_\_\_ [1]

- (b) What was the modal amount of rainfall?

Answer: \_\_\_\_\_ [1]

- (c) What is the average rainfall for the last 5 days?

Answer: \_\_\_\_\_ [3]

14. (a) Simplify

$$5g + 3(2f - g)$$

Answer: \_\_\_\_\_ [2]

- (b) Factorize completely

$$12a + 8ab$$

Answer: \_\_\_\_\_ [2]

- (c) Solve for  $h$

$$3h + 4 = 13$$

Answer: \_\_\_\_\_ [2]

14. Ashley weekly expenses are listed below.

Food store: ..... \$46.28

Gas station: ..... \$25.17

Lunch: ..... \$15.25



(a) Calculate the total amount of money she spends for the week.

Answer: \_\_\_\_\_ [2]

(b) Calculate her change from \$100.

Answer: \_\_\_\_\_ [2]

14. (i) Simplify the following expression.

$$3x + 8x - 12x$$

Answer: \_\_\_\_\_ [1]

(ii) If  $p = 6$ , find the value of  $p^2 + 7$ .

Answer: \_\_\_\_\_ [3]

(iii) Solve for  $q$ :

$$12q - 1 = 35$$

Answer: \_\_\_\_\_ [2]

14. (a) Simplify

(i)  $8m + 6m - 9m$

Answer: \_\_\_\_\_ [1]

(ii)  $5ab \times 3ac$

Answer: \_\_\_\_\_ [3]

(b) Solve for  $h$

$$2h + 5 = 27$$

Answer: \_\_\_\_\_ [2]

14. Tommy picks 56 mangoes. Jackie picks 38 mangoes.

(a) Calculate the number of mangoes that were picked altogether.

Answer: \_\_\_\_\_ [2]

They used the mangoes to make jam and 15 mangoes were left over.

(b) Calculate the number of mangoes that were used to make the jam.

Answer: \_\_\_\_\_ [2]