
ALGEBRA

CASE STUDY-1

Sarah buys books from a dealer for her bookstall. She buys 20 comic books, 15 storybooks and 10 colouring books. A comic book costs Rs. x . A storybook costs Rs.5 more than a comic book and a colouring book costs Rs.10 more than a story book.



Based on the above information answer the following questions

- | | | |
|------|---|---|
| (i) | Write the expression that shows the total cost of the comic books? | 1 |
| (ii) | Sarah gets a profit of Rs 2 on the sale of each comic book. Which of the following expression shows the amount Sarah earns by selling 10 comic books? | 2 |

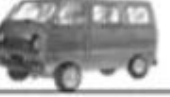
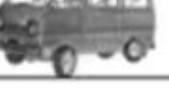
OR

- | | | |
|-------|---|---|
| | A colouring book costs Rs 50. What is the cost of the comic book? | 2 |
| (iii) | Write an expression to show the total cost of 15 storybooks. | 1 |

DATA HANDLING

CASE STUDY-1:

The following pictograph shows the number of Maruti vans manufactured during a week.

<u>Days</u>	Number of Maruti Van manufactured	 = 100 Maruti Vans
Monday	   	
Tuesday	 	
Wednesday		
Thursday	     	
Friday	   	
Saturday	  	

Read the above figure and answer the following questions:

- (i) On which day were the least number of Maruti vans manufactured? 1
- (ii) Find the number of Maruti vans manufactured on Wednesday. 1
- (iii) Find out the approximate number of Maruti vans manufactured in the particular week. 2

OR

Find the total number of Maruti vans manufactured on Monday and Thursday. 2