

## Rate

Q1.

Find each unit rate.

i) Rs. 280 for 4 days

70

ii) 575 tickets in 5 days

115

iii) 412 classes in 4 semesters

103

iv) 250 people in 5 groups

50

### Exploring Rate:

- Observe your homes and find different household items that can be used to demonstrate rates.
- Choose items that involve quantities or time, such as water bottles, measuring cups, timers, fruits, and other consumables.
- List down the items you have chosen, along with the quantities and the time taken for their usage. For example, drinking 2 water bottles in 4 hours, filling 3 measuring cups in 6 minutes.
- Calculate the rates at which the items are used. For example, if a student drinks 2 water bottles in 4 hours, the rate of drinking water is 0.5 water bottles per hour ( $2 \text{ water bottles} / 4 \text{ hours} = 0.5 \text{ water bottles/hour}$ ).
- Simplify the rates if possible and express them in appropriate units. Also, show your working.

### Your Working