

Metric Measures

SPECIFIC OBJECTIVES

The students will

- know the measurement of something as a combination of a number with a specific unit.
- learn the metric measures using the decimal system.
- understand the conversion of one unit to other units.
- know how to do four basic operations of measurement.
- learn the application of measurement in day-to-day life.

CONTENTS EXPLAINED INSIDE THE CHAPTER

- Measurements (pages 115–116)
- Metric Measures (system) (pages 116–118)
- Addition and Subtraction of Metric Measures (pages 118–120)
- Multiplication and Division of Metric Measures (pages 120–122)

TEACHING AIDS

Measuring instruments like metre rod, weighing machine, measuring tape/cylinder, etc., playing dough/clay, vessels

TEACHING STRATEGY

- As students have learnt about measurements in the previous classes, the teacher should ask them to do 'Let Us Recall' exercise to recapitulate the concepts.
- Next, the teacher should explain them the magnitude and unit which need to express the measurement of something.
- Further, she should talk to them about different units of metric measures using the decimal system. She should also explain to them the rules to convert the units of measurement from smaller to bigger and from bigger to smaller. For text and exercise, she should go to pages 115–118.
- After that, the teacher should discuss with them the method for adding/subtracting metric measures. For text and exercise, she should go to pages 118–120.
- Then, she should develop the ideas to multiply/divide the metric measures using place

values as well as decimals. For text and exercise, she should go to pages 120–122.

- Thereafter, the teacher should ask them to focus on the value corner and explain to them its message.
- Then, she should encourage them to complete the task given under Fun Zone.
- Finally, the teacher should involve the students in performing Maths Lab Activity to reinforce their understanding.

EXPECTED LEARNING OUTCOMES

Students are able to

- understand about the measurement.
- express the metric measures using the decimal system.
- convert units of the given measures.
- add/subtract/multiply/divide the metric measures using the place-value chart and decimal.
- explain how an object with fixed volume and weight may change its shape.
- apply their concept to tackle the daily life problems.
- understand the importance of measurement in life.