



WORKSHEET

Full marks 32

Name _____ Class _____ Roll no. _____ Date _____ Marks _____ / 32

[3]

area kilometer mass measurement time unit volume

Comparing an unknown amount with a known amount is called _____. The known amount we compare with is called a _____. The amount of matter in a thing is its _____. The space taken up by a thing is its _____. The gap between two events is _____. One thousand meters make one _____.

[2]

The diagram shows two graduated cylinders. The left cylinder, labeled 'before: water alone', has a water level at 50 ml. The right cylinder, labeled 'after: water and stone', has a water level at 62 ml. A stone is shown being lowered into the water in the right cylinder, indicated by an arrow labeled 'lower the stone'. The volume of the stone is calculated as the difference in water levels: $\text{stone} = 62 - 50 = 12 \text{ cm}^3$. The diagram is annotated with circled numbers 1 through 4: 1 points to the stone, 2 points to the water level in the 'before' cylinder, 3 points to the water level in the 'after' cylinder, and 4 points to the new water level in the 'after' cylinder.

1. _____ 2. _____
3. _____ 4. _____

[5]

[1]

- a. volume b. mass
c. weight d. area



- ii. Which of these is equal to 5200 cm? [1]
- a. 52 m b. 52 mm
c. 520 m d. 0.52 km
- iii. Sadiksha measured a cube of wood. Its length was 4 ___ and its volume was 64 ___. Which units fill the blanks? [1]
- a. m, cm³ b. cm, cm³
c. ml, ml³ d. cm, m³
- iv. Your school starts at 9:45 AM and ends at 4:00 PM. How long is that? [1]
- a. 5 hours 20 minutes b. 5 hours 25 minutes
c. 5 hours 35 minutes d. 6 hours 15 minutes
- v. Ayusha weighed a cauliflower at a vegetable shop. It was 1800 g. What is its mass in kilograms? [1]
- a. 0.8 b. 1.8
c. 18 d. 180

4 Correct or wrong? [4]

Write ✓ if the sentence is correct and X if it is wrong. Each carries 1 mark.

- i. Things of equal volume have equal masses. (_____)
- ii. Mana and pathi are traditional measures for the volume of grains and liquids. (_____)
- iii. There are 24 hours in a day. (_____)
- iv. One foot is equal to 12 inches. (_____)

5 Match the units [3]

Match each unit in Column A with what it measures in Column B. Write the letter in the box. One word in Column B is not needed. Each match carries 0.5 mark.

Column A		Column B
1. kilogram	☐	a. color
2. meter	☐	b. area
3. second	☐	c. temperature
4. square meter	☐	d. time
5. liter	☐	e. mass
6. degree Celsius	☐	f. volume
		g. length

6 Very short answers [3]

Write very short answers to the following questions.

- a. How many millimeters make one centimeter? [1]



b. Name the instrument used to measure the volume of a liquid in a laboratory. [1]

c. Which is better for timing a 50 m race: an ordinary clock or a stopwatch? [1]

7 Short answers [10]

Write short answers to the following questions.

a. What is mass? Write one instrument and one unit used to measure it. [2]

b. Which is heavier: 1 kg of cotton or 1 kg of iron? Which one takes up more space? [2]

c. Write any two things to keep in mind while measuring a length with a tape. [2]

d. How is the timer of a phone's clock app different from its stopwatch? Explain with examples. [2]



e. A big stone is too big to go into a measuring cylinder. How can you find its volume? [2]

8 Think [2]

Think, then answer.

Suruchi has a piece of wood that floats on water. Why can't she find its volume just by dropping it into a measuring cylinder of water? What can she do?

9 Activity: A stone in water (Activity 1.14) (not marked)

Pour some water into a measuring cylinder and read the level. Lower each thing in on a thread and read the level again. Fill in the table.

Thing	Water alone (ml)	Water and thing (ml)	Volume of the thing (cm ³)
eraser			
stone			
key			

How did you find the volume of each thing?

