

Experiential Experimental Edutaining

# MATHS

SAMPLE BOOK



# MATHS



I'm the  
**Intelli Kid**

and  
I'm becoming the  
**Best Version**  
of myself with





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GRADE-2

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**Intelli**  **rain**<sup>®</sup>











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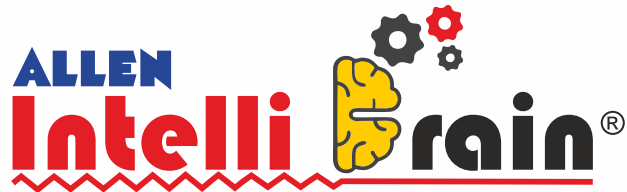


# I AM PROGRESSING

(Tick mark the columns after achieving the Learning Milestones)



TOPIC	1 <sup>st</sup> Learning	Exercise Solving	1 <sup>st</sup> Revision	2 <sup>nd</sup> Revision
 Numerals and Number Names				
 Number Sense				
 Computation Operations				
 Fractions				
 Measurement of Length, Weight & Capacity				
 Time				
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 Money				
 Geometrical Shapes and Solids				
 Pictograph				



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# MATHS

SAMPLE THEORY

# CHAPTER 5

# MEASUREMENT OF LENGTH, WEIGHT & CAPACITY

## MEASUREMENT

- Determining the dimensions, distance or amount of something.
- We can measure physical quantities like length, weight, time etc.

## METRIC SYSTEM

- The metric system is a system of measurement based on three standard (basic) units:

QUANTITY	STANDARD UNITS
Length	Kilometre, Metre, Centimetre, Millimetre
Weight	Kilogram, Gram, Centigram, Milligram
Capacity	Kilolitre, Litre, Centilitre, Millilitre

## LENGTH

Length is a measurement of how long, how tall or how far apart objects are.

Metric units of length are Kilometre (km), Metre (m), Centimetre (cm) and Millimetre (mm).

**Example 1:** The Scale is 20 cm long.



**Example 2:** The Snake is 2 m long.



### TOOLS USED FOR MEASURING LENGTH:

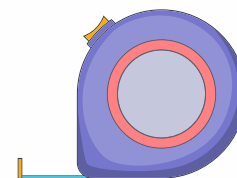
We use tape measure, ruler, inch tape etc. to measure length.



Tape Measure



Ruler



Inch Tape

## WEIGHT

Weight determines how heavy an object is.

We use Kilograms (kg) to weigh heavier objects and Grams (g) to weigh lighter objects.

**Example 1:** David weighs 75 kg.



**Example 2:** A Paper clip weighs 1 g.



### TOOLS USED FOR MEASURING WEIGHT:

We use weighing scale, weighing machine, pan balance etc. to measure weight.



Weighing Scale



Weighing Machine



Pan Balance

## CAPACITY

Capacity measures the amount or quantity of something that an object can hold.

We use Litre (l) to measure larger quantities of liquid and Millilitre (ml) to measure smaller quantities of liquid.

**Example 1:** This bottle of Cola has a capacity of 500 ml.



**Example 2:** This bottle of Juice has a capacity of 2 l.



### TOOLS USED FOR MEASURING CAPACITY:

We use measuring spoon, measuring jug, measuring bucket etc. to measure capacity.



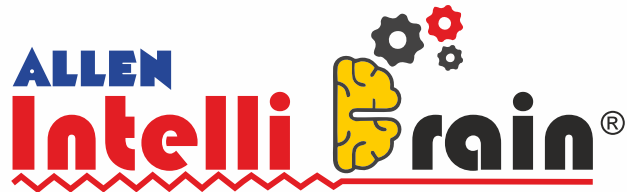
Measuring Spoon



Measuring Jug



Measuring Bucket



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# MATHS

SAMPLE EXERCISE





# EXERCISE

## GRADE-2 Measurement of Length, Weight & Capacity



**Directions:** Solve the following multiple choice questions by choosing the most appropriate option.

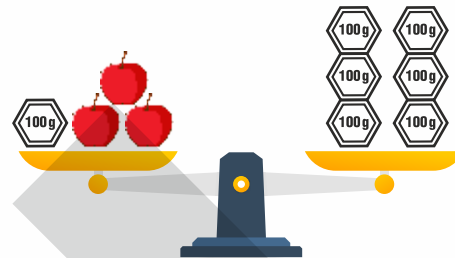
1. What is the weight of 3 apples ?

(1) 500 g

(3) 600 g

(2) 550 g

(4) 650 g



2. Leena wants to measure her son's height. Which of the following measuring tools will she use ?

(1)



(2)



(3)



(4)



3. Length of Doll A is 63 cm and the length of Doll B is 57 cm. Which Doll is longer and by how much ?

(1) Doll A, 120 cm

(3) Doll B, 63 cm

(2) Doll A, 6 cm

(4) Doll B, 57 cm

4. If  = 3 litres, then capacity of 4 such bottles is \_\_\_\_\_ litres.

(1) 6

(3) 9

(2) 12

(4) 15

5. Which of the following units is the smallest ?

(1) Centimetres

(3) Kilometres

(2) Metres

(4) Millimetres

6. Which of the following units is the greatest ?

(1) Centigram

(3) Kilogram

(2) Milligram

(4) Gram

7. Which of the following towers is the longest?



- (1) Tower P
- (2) Tower R

- (3) Tower Q
- (4) Tower S

8. Which of the following animals is the heaviest?



9. Rishi wants to measure how long does she take to brush her teeth. Which object should Rishi use?



10. Which of the following has the largest amount of water?

