

## Introduction to Measurements

### Grade 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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#### Section A: Multiple Choice Questions

Circle the correct answer:

1. Which unit do we use to measure how heavy a bag is?

- a) Meters
- b) Kilograms
- c) Litres
- d) Centimeters

2. How many centimeters are there in 1 meter?

- a) 10 cm
- b) 50 cm
- c) 100 cm
- d) 1000 cm

3. Which is the LONGEST?

- a) Your pencil.
- b) Your classroom
- c) Your ruler
- d) Your eraser

4. What do we use to measure juice in a glass?

- a) Kilograms
- b) Meters
- c) Millilitres
- d) Centimeters

5. Why don't we use handspans to measure things anymore?

- a) It's too easy
- b) Everyone's handspan is different
- c) Handspans are too long
- d) We don't have hands

6. Which is HEAVIER?

- a) A feather
- b) An apple
- c) A school bag
- d) A pencil

7. How many millilitres are in 1 litre?

- a) 10 mL
- b) 100 mL
- c) 500 mL
- d) 1000 mL

8. Which tool do we use to measure length?

- a) Weighing scale
- b) Ruler
- c) Measuring cup
- d) Thermometer

9. A door is about:

- a) 2 centimeters tall
- b) 2 meters tall
- c) 20 meters tall
- d) 200 meters tall

10. We measure liquids in:

- a) Kilograms and grams
  - b) Litres and millilitres
  - c) Meters and centimeters
  - d) Only in cups
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### Section B: Fill in the Blanks

Write the correct word in the blank space:

1. We measure the weight of solids in \_\_\_\_\_ or grams.
  2. A pencil is about \_\_\_\_\_ centimeters long.
  3. In olden times, people measured things using \_\_\_\_\_ and foot length.
  4. We use a \_\_\_\_\_ to measure how heavy something is.
  5. The distance from your elbow to your fingertips is called a \_\_\_\_\_.
  6. Standard units are the \_\_\_\_\_ for everyone everywhere.
  7. We measure liquids in \_\_\_\_\_ and millilitres.
  8. 1 meter equals \_\_\_\_\_ centimeters.
  9. A water bottle usually holds liquid measured in \_\_\_\_\_.
  10. We use a \_\_\_\_\_ to measure the length of objects.
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### Section C: Match the Following

Draw a line to match the object with what we use to measure it:

#### Column A (Object)

1. How heavy is your school bag?
2. How tall are you?
3. How much water in a bottle?
4. How long is your pencil?
5. How heavy is an apple?

6. How wide is your desk?
7. How much milk in a glass?
8. How tall is the door?
9. How heavy is a book?
10. How long is your classroom?

**Column B (What we measure & Unit)**

- a) Length - Meters
- b) Weight - Kilograms
- c) Liquid - Millilitres
- d) Length - Centimeters
- e) Weight - Grams
- f) Length - Meters
- g) Liquid - Litres
- h) Length - Centimeters
- i) Weight - Kilograms
- j) Weight - Grams

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**Section D: True or False**

**Write T for True or F for False:**

1. We can measure liquids in kilograms. \_\_\_\_\_
2. A meter is longer than a centimeter. \_\_\_\_\_
3. Everyone's handspan is exactly the same size. \_\_\_\_\_
4. We use millilitres to measure small amounts of liquid. \_\_\_\_\_
5. A feather is heavier than a book. \_\_\_\_\_
6. 100 centimeters make 1 meter. \_\_\_\_\_
7. We use a ruler to measure weight. \_\_\_\_\_

8. Standard units help everyone get the same measurement. \_\_\_\_\_
9. A car is heavier than an apple. \_\_\_\_\_
10. A door is about 2 centimeters tall. \_\_\_\_\_
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### Section E: Look and Compare - Visual Comparison

Look at the pictures and answer the questions. Think about what you know!

#### Set 1: Which is LIGHTER?

1.  A flower OR  A pencil box

Answer: \_\_\_\_\_

2.  A feather OR  A book

Answer: \_\_\_\_\_

3.  A balloon OR  A school bag

Answer: \_\_\_\_\_

4.  An apple OR  A car

Answer: \_\_\_\_\_

5.  A pencil OR  A brick

Answer: \_\_\_\_\_

#### Set 2: Which is HEAVIER?

6.  A basketball OR  A butterfly

Answer: \_\_\_\_\_

7.  A mobile phone OR  A grape

Answer: \_\_\_\_\_

8.  A chair OR  A paper

Answer: \_\_\_\_\_

9.  A coconut OR  A peanut

Answer: \_\_\_\_\_

10. 🐕 A dog OR 🐭 A mouse

Answer: \_\_\_\_\_

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### Section F: Which is LONGER or SHORTER?

Think about the size and answer:

1. Which is LONGER?

- 🚪 A door OR 🖋️ A pencil

Answer: \_\_\_\_\_

2. Which is SHORTER?

- 🦒 A giraffe's neck OR 🐛 A caterpillar

Answer: \_\_\_\_\_

3. Which is LONGER?

- 🚌 A bus OR 🚗 A car

Answer: \_\_\_\_\_

4. Which is SHORTER?

- 📏 Your ruler OR 🏠 Your classroom

Answer: \_\_\_\_\_

5. Which is LONGER?

- 🧶 A thread spool OR 🪢 A long rope

Answer: \_\_\_\_\_

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## Section G: Estimate and Measure

First estimate (guess), then measure with a ruler:

Object	My Estimate	Actual Measurement
1. Width of your book	_____ cm	_____ cm
2. Length of your eraser	_____ cm	_____ cm
3. Length of your pencil	_____ cm	_____ cm
4. Width of your hand	_____ cm	_____ cm
5. Length of your ruler	_____ cm	_____ cm

**Scoring:** 1 mark for attempting the estimate, 1 mark for correct measurement

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 **ANSWER KEY (For Teachers/Parents)**

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**Section A: Multiple Choice**

1. b) Kilograms
2. c) 100 cm
3. b) Your classroom
4. c) Millilitres
5. b) Everyone's handspan is different
6. c) A school bag
7. d) 1000 mL
8. b) Ruler
9. b) 2 meters tall
10. b) Litres and millilitres

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**Section B: Fill in the Blanks**

1. kilograms
2. 15 (accept 10-20 as reasonable)
3. handspans (accept: hands/handspan/cubit)
4. weighing scale (accept: scale)
5. cubit
6. same
7. litres
8. 100
9. litres (accept: millilitres)
10. ruler (accept: measuring tape/scale)

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### Section C: Match the Following

1. b) Weight - Kilograms
2. a) Length - Meters
3. g) Liquid - Litres
4. d) Length - Centimeters
5. e) Weight - Grams
6. h) Length - Centimeters
7. c) Liquid - Millilitres
8. f) Length - Meters
9. j) Weight - Grams
- 10.a) Length - Meters

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### Section D: True or False

1. F (False) - We measure liquids in litres and millilitres
2. T (True)
3. F (False) - Everyone's handspan is different
4. T (True)
5. F (False) - A book is heavier than a feather
6. T (True)
7. F (False) - We use a weighing scale to measure weight
8. T (True)
9. T (True)
- 10.F (False) - A door is about 2 meters tall

## Section E: Look and Compare - Visual Comparison

### Set 1: Which is LIGHTER?

1. **A flower** (flowers are very light)
2. **A feather** (feathers are one of the lightest things)
3. **A balloon** (balloons filled with air are very light)
4. **An apple** (cars are very heavy, apples are light)
5. **A pencil** (pencils are light, bricks are heavy)

### Set 2: Which is HEAVIER?

6. **A basketball** (basketballs are heavier than tiny butterflies)
7. **A mobile phone** (phones have weight, grapes are very light)
8. **A chair** (chairs are much heavier than thin paper)
9. **A coconut** (coconuts are big and heavy, peanuts are tiny)
10. **A dog** (dogs are much bigger and heavier than mice)

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## Section F: Which is LONGER or SHORTER?

1. **A door** is LONGER (doors are about 2 meters, pencils are about 15 cm)
2. **A caterpillar** is SHORTER (caterpillars are tiny, giraffe necks are very long)
3. **A bus** is LONGER (buses are bigger than cars)
4. **Your ruler** is SHORTER (rulers are about 30 cm, classrooms are many meters)
5. **A long rope** is LONGER (ropes can be very long, thread spools are short)

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## Section G: Estimate and Measure

**Note:** Actual measurements will vary depending on the student's objects.

Example reasonable ranges:

1. Book width: 15-25 cm
2. Eraser length: 3-5 cm

3. Pencil length: 12-18 cm
  4. Hand width: 6-8 cm
  5. Ruler length: 15 cm or 30 cm
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