

Practice Worksheet: Measurement and Units

Section A: Multiple Choice

1. What is the unit of measurement for the length of an object in the metric system?

- A) Millimeters
- B) Centimeters
- C) Meters
- D) Kilometers

2. What is the decimal equivalent of the fraction $\frac{3}{4}$?

- A) 0.5
- B) 0.75
- C) 0.25
- D) 0.33

3. Which of the following is a smaller unit of measurement?

- A) Meter
- B) Centimeter
- C) Millimeter
- D) Kilometer

4. What is the length of the pencil shown in the figure below in fractional units?

- A) $2 \frac{1}{2}$ units
- B) $3 \frac{1}{4}$ units
- C) $3 \frac{1}{2}$ units
- D) $4 \frac{1}{2}$ units

5. Which of the following is a scale used to measure the length of an object?

- A) Ruler
- B) Meter Stick
- C) Scale
- D) Calculator

Section B: Short Answer

6. Write the length of the pencil shown in the figure below in decimal places.
7. Explain the importance of smaller units of measurement.
8. Measure the length of a book using a scale and write your measurement in centimeters.
9. Read and write the length of a pencil in fractional units.
10. What is the difference between a meter and a centimeter?

Section C: Application Problems

11. A bookshelf is 3 meters long. If it is divided into 100 equal parts, what is the length of each part in centimeters?
12. A pencil is 15 centimeters long. If it is divided into 5 equal parts, what is the length of each part in centimeters?
13. A room is 5 meters long. If it is divided into 10 equal parts, what is the length of each part in centimeters?
14. A ruler is 30 centimeters long. If it is divided into 5 equal parts, what is the length of each part in centimeters?
15. A book is 25 centimeters long. If it is divided into 5 equal parts, what is the length of each part in centimeters?

Answer Key

1: Centimeters

2: 0.75

3: Millimeter

4: 3 1/4 units

5: Ruler

6: 3.75 cm

7: Smaller units of measurement are used to measure the length of objects more accurately.

8: Measure the length of the book using a scale and write your measurement in centimeters.

9: Read and write the length of the pencil in fractional units.

10: A meter is 100 times larger than a centimeter.

11: 3 cm

12: 3 cm

13: 0.5 m

14: 6 cm

15: 5 cm