

Practice Worksheet: Measurement and Units

Section A: Multiple Choice

1. What is the unit of measurement for the length of a pencil?

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

2. What is the decimal equivalent of 3 units and 4 tenths?

- A) 3.4
- B) 3.5
- C) 3.6
- D) 3.7

3. What is the measurement in centimeters of an object that is 2 meters long?

- A) 200 cm
- B) 2000 cm
- C) 20 cm
- D) 20000 cm

4. What is the measurement in millimeters of an object that is 1 kilometer long?

- A) 1000 mm
- B) 10000 mm
- C) 100000 mm
- D) 1000000 mm

5. What is the measurement in centimeters of an object that is 5 feet long?

- A) 150 cm
- B) 1500 cm
- C) 15 cm
- D) 15000 cm

Section B: Short Answer

- 6.** What is the difference between a meter and a kilometer?
- 7.** What is the decimal equivalent of 2 units and 5 tenths?
- 8.** What is the measurement in centimeters of an object that is 3 meters long?
- 9.** What is the measurement in millimeters of an object that is 2 kilometers long?
- 10.** What is the measurement in centimeters of an object that is 4 feet long?

Section C: Application Problems

- 11.** A bookshelf is 2 meters long. If it is divided into 10 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 millimeters?
- 13.** A room is 5 meters long. If it is divided into 100 equal parts, what is the length of each part in centimeters?
- 14.** A piece of string is 3 meters long. If it is divided into 20 equal parts, what is the length of each part in millimeters?
- 15.** A ruler is 30 centimeters long. If it is divided into 10 equal parts, what is the length of each part in millimeters?

Answer Key

- 1:** Centimeters - The length of a pencil is typically measured in centimeters.
- 2:** 3.4 - The decimal equivalent of 3 units and 4 tenths is 3.4.
- 3:** 200 cm - 1 meter is equal to 100 centimeters, so 2 meters is equal to 200 centimeters.
- 4:** 1000000 mm - 1 kilometer is equal to 1000 meters, and 1 meter is equal to 1000 millimeters, so 1 kilometer is equal to 1,000,000 millimeters.
- 5:** 150 cm - 1 foot is equal to 30.48 centimeters, so 5 feet is equal to 152.4 centimeters, which is approximately 150 centimeters.
- 6:** A meter is equal to 100 centimeters, while a kilometer is equal to 1000 meters, or 100,000 centimeters.
- 7:** 2.5 - The decimal equivalent of 2 units and 5 tenths is 2.5.
- 8:** 300 cm - 1 meter is equal to 100 centimeters, so 3 meters is equal to 300 centimeters.
- 9:** 2000000 mm - 1 kilometer is equal to 1000 meters, and 1 meter is equal to 1000 millimeters, so 2 kilometers is equal to 2,000,000 millimeters.
- 10:** 121.92 cm - 1 foot is equal to 30.48 centimeters, so 4 feet is equal to 121.92 centimeters.
- 11:** 20 cm - 2 meters is equal to 200 centimeters, and 200 centimeters divided by 10 is equal to 20 centimeters.
- 12:** 3 mm - 15 centimeters divided by 5 is equal to 3 centimeters, and 3 centimeters is equal to 30 millimeters, so 15 centimeters divided by 5 is equal to 3 millimeters.
- 13:** 5 cm - 5 meters is equal to 500 centimeters, and 500 centimeters divided by 100 is equal to 5 centimeters.
- 14:** 150 mm - 3 meters is equal to 300 centimeters, and 300 centimeters divided by 20 is equal to 15 centimeters, and 15 centimeters is equal to 150 millimeters.
- 15:** 3 mm - 30 centimeters divided by 10 is equal to 3 centimeters, and 3 centimeters is equal to 30 millimeters, so 30 centimeters divided by 10 is equal to 3 millimeters.