Measurement in early ages and its need

A. Choose the Correct Answer:

1. Why did early humans need measurement?

- A) To play games
- B) To hunt and build shelters
- C) To decorate their homes
- D) To make friends

2. Which of the following was an early unit of measurement?

- A) Kilogram
- B) Meter
- C) Handspan
- D) Millimeter

3. Before modern measuring tools, what did people use to measure length?

- A) Ruler
- B) Footsteps, handspan, and cubit
- C) Weighing scale
- D) Clock

B. Fill in the Blanks:

- 1. Early humans used ______ and _____ to measure length before modern tools were invented.
- 2. The need for measurement arose when people started ______ and
- 3. A ______ is the distance from the tip of the thumb to the tip of the little finger when the hand is fully stretched.

C. Case Study:

Long ago, before rulers and measuring tapes were invented, people had to rely on their body parts to measure things. A carpenter named Ravi wanted to make a wooden table but did not have a measuring scale. Instead, he used his handspan and cubit (length from elbow to fingertips) to measure the wood. When he made the table, it fit perfectly in his own house. However, when his friend tried to use the same method to make a table, the measurements were different, and the table did not fit properly.

Case Study Questions:

- 1. What problem did Ravi and his friend face when using handspan and cubit for measurement?
- 2. Why do you think standard units of measurement were introduced?
- 3. How do modern measuring tools help in making accurate measurements?
- 4. What would have been a better way for Ravi and his friend to measure the wood?

D. Short Answer Questions:

- 1. Why did early humans need to measure things?
- 2. Name any three body-based measurements used in early times.
- 3. How is measurement useful in daily life?

E. Long Answer Questions:

- 1. Explain the different methods of measurement used in ancient times and their drawbacks.
- 2. Why is it important to have standard units of measurement? Give examples.
- 3. How has measurement evolved from ancient times to modern times?