

Worksheet Measurement

MCQs

Question 1: You will measure the length of a pencil by using a

- (a) weighing scale
- (b) ruler
- (c) hand span
- (d) thermometer

Answer:

Correct Answer is Option B.

To measure the length of a pencil using a metre rule, place the metre rule with its marking close to the object.

Question 2: Who has fever?

- (a) Anil, 37°C
- (b) Nafisa, 40°C
- (c) Binto, 36°C
- (d) both Binto and Nafisa

Answer:

Correct Answer is Option B.

A child has a fever when his or her rectal temperature is higher than 38°C (100.4°F)

Question 3: Which quantity of cooking oil will have the biggest container?

- (a) 1 L
- (b) 950 millilitre
- (c) Half litre
- (d) 250 millilitre

Answer:

Correct Answer is Option A.

1 L = 1000ml

Question 4: You will measure the height of a door by using a

- (a) weighing scale
- (b) hand span
- (c) ruler
- (d) measuring tape

Answer:

Correct Answer is Option D.

You will measure the height of a door by using a measuring tape.

Question 5: You will measure 100 mL of water by using a

- (a) measuring cylinder
- (b) measuring beaker
- (c) measuring spoon
- (d) either a or b

Answer:

Correct Answer is Option B.

You will measure 100 mL of water by using measuring beaker.

Question 6: A vegetable seller measures the quantity of vegetables on a ____ .

- (a) measuring jar
- (b) sundial
- (c) weighing balance
- (d) measuring tape

Answer:

Correct Answer is Option C.

A vegetable seller measures the quantity of vegetables on (c) weighing balance.

Write T for True statements or F for False statements

Question 7:

- A cubit is a non-standard unit of measurement. **(True)**
- A tailor does not use a meter scale for taking measurements. **(False)**
- Time is measured in hours and minutes. **(True)**
- Heavy things are measured in grams. **(False)**
- The capacity of a spoon is more than that of a measuring cylinder. **(False)**

Tips:

- Cubit is a non-standard unit because cubit generally taken as 18 inches, was based on the length of the arm from elbow to the tip of the middle finger. This is not the world wide standard system like meters, kilograms etc.
- A tailor uses a meter scale for taking measurements.
- Time is measured in hours and minutes.
- Heavy things are measured in kilograms.
- The capacity of a spoon is less than that of a measuring cylinder.

Fill in the blanks using the correct units from the box

Question 8:

m	L	mL	g	kg	cm	hour
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- A mobile phone could be 15 cm in length.
- My television weighs 20 kg.
- Rohan filled 25 L of petrol in his car.
- The coin weighs 5 g.
- A building can be 100 m high.
- The bowl contains 150 ml of soup
- The bucket contains 15 L of water.
- 1 hour is more than 55 minutes.

Match the following

Question 9:

- (a) 45°C (i) Hot
- (b) 10°C (ii) Very hot
- (c) 35°C (iii) Cold
- (d) 1°C (iv) Pleasant

(e) 25°C (v) Very cold

Answer:

(a) 45°C - (ii) Very hot

(b) 10°C - (i) Hot

(c) 35°C - (iii) Cold

(d) 1°C - (v) Very cold

(e) 25°C - (iv) Pleasant

Answer the following questions in brief

Question 10: Why is it necessary to use standard units for measurement?

Answer: We need a standard unit for measurement to make our judgement more reliable and accurate.

Question 11: What is capacity? Explain with the help of an example.

Answer: The definition of capacity is the ability of someone or something to hold something. An example of capacity is how many people can fit in a room. An example of capacity is the amount of water a cup can hold.

Question 12: Why does a tailor use a measuring tape and not a meter scale?

Answer: A tailor uses a tape, whereas a cloth merchant uses a metre rod because for measuring the length of an object, we must choose a suitable device. Tailor cannot measure the size of your chest using a metre scale.

Question 13: Define temperature. Name the two scales used to measure temperature.

Answer: Temperature is a physical quantity expressing hot and cold. It is measured with a thermometer. The most commonly used scales are the Celsius scale, Fahrenheit scale, and Kelvin scale.