

Metric Measures

1. Sort the units of measure into the correct column on the table.

Mass	Length	Capacity

km

cm

g

tonne

L

ml

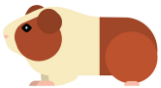
kg

m

mm

VF

2. Select two of the animals below that have an estimated mass of 700 g.



guinea pig



spider



budgie

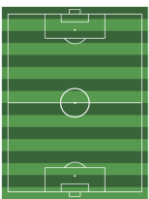


hedgehog

VF

3. Select the best estimated length for each of the objects below.

A.



a full-sized football pitch

105 mm

1,005 cm

105 km

105 m

B.



a stamp

244 mm

24 cm

2.4 cm

2.4 mm

VF

4. Ben has been researching the mass of different objects in his house.

dining chair

12.7

large family car

1.54

wooden cooking spoon

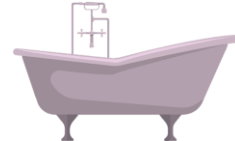
20

He has forgotten to write the unit of measure but he knows that each unit was only used once.

Which unit of measure could he be using for each mass? Convince me.

R

5. Annie is estimating the capacity of the bath at her house.



She says,



The bath is approximately half full. I know that this is almost eighty litres of water. This means the bath has a capacity of 80 L or 80,000 ml.

Do you agree? Prove it.

PS

6. A grocery store is selling a large sack of apples.

Estimate the mass of one apple and use this to help estimate the mass of the apples if the sack contains between 20 and 25 apples.



R

Metric Measures

1.

Mass	Length	Capacity
g tonne kg	km cm m mm	L ml

2. hedgehog, guinea pig

3. A. 105 m; B. 2.4 cm

4. The dining room chair is measured in kg as this is a mass that can be lifted and will support the weight of a person. The large family car is measured in tonnes as a small car has the mass of approximately 1 tonne so a large car must be heavier than this. The wooden spoon is measured in grams as this has the smallest mass of all of the objects and can be handled easily.

5. Annie is incorrect because the volume of the water in the bath is 80 L when approximately half full. This means a correct estimated capacity for the bath is 160 L or 160,000 ml.

6. Various answers, for example: if an apple has a mass of approximately 100 g, then the mass of the apples in the sack could be 2,000 g.