

UNIT 7. METRIC SYSTEM MEASUREMENTS. EXTRA ACTIVITIES

Length

1. Draw a millimetre, a centimetre, a decimetre and try to make a metre.
2. Measure the length and the width of the following things and draw a diagram of each one where you display these measurements:
 - a) The top the of a student's desk
 - b) The top of the teacher's desk
 - c) The blackboard
 - d) A digital board
 - e) The glass of a window
3. Draw your boxes and indicate their length, width and height.
Remember the circumference is $2 \cdot \pi \cdot \text{Radius}$
4. Change all these measurements into mm and km. What conclusions can you reach?

Area

5. Draw a square millimetre, a square centimetre, a square decimetre and try to make a square metre.
6. Calculate the area of the following objects, label the drawings.
 - f) The top the of a student's desk
 - g) The top of the teacher's desk
 - h) The blackboard
 - i) A digital board
 - j) The glass of a window
7. Calculate the area of the surface of your boxes.
Remember the area of a circle is $\pi \cdot \text{Radius}^2$
8. Change all these measurements into mm^2 and km^2 . What conclusions can you reach?

Volume.

9. Make a cubic millimetre, a cubic centimetre, a cubic decimetre and try to make a cubic metre.
10. Calculate the volume of your boxes.
Remember: the volume of a cylinder is equal to $\text{height} \cdot \pi \cdot \text{Radius}^2$
11. Change all these measurements into mm^3 and km^3 . What conclusions can you reach?

Weight

12. Weight your boxes empty and full of rice. Label the results.
13. Change all these measurements into mg and kg. What conclusions can you reach?