

UNIT: Laboratory Equipment
Unit of Measurement Conversions

Name _____

Period _____ Date ____ / ____ / ____

1. Convert 20.33 cm to m

$$\frac{20.33 \text{ cm}}{1 \text{ cm}} \left| \frac{0.01 \text{ m}}{1 \text{ cm}} \right. = 20.33 \times 0.01 / 1 = 0.2033 \text{ m}$$

2. Convert 12.06 L to cL

$$\frac{12.06 \text{ L}}{0.01 \text{ L}} \left| \frac{1 \text{ cL}}{0.01 \text{ L}} \right. = 12.06 \times 1 / 0.01 = 1,206 \text{ cL}$$

3. Convert 32.27 kg to g

$$\frac{32.27 \text{ kg}}{1 \text{ kg}} \left| \frac{1,000 \text{ g}}{1 \text{ kg}} \right. = 32.27 \times 1,000 / 1 =$$

4. Convert 13.09 m to cm

$$\frac{13.09 \text{ m}}{0.01 \text{ m}} \left| \frac{1 \text{ cm}}{0.01 \text{ m}} \right. =$$

5. Convert 3.47 mm to m

$$\frac{3.47 \text{ mm}}{\text{mm}} \left| \frac{\text{m}}{\text{mm}} \right. =$$

6. Convert 33.81 kg to g

$$\frac{33.81 \text{ kg}}{\text{kg}} \left| \frac{\text{kg}}{\text{kg}} \right. =$$

7. Convert 9.92 kL to L

$$\frac{9.92 \text{ kL}}{\text{L}} \left| \frac{\text{L}}{\text{L}} \right. =$$

8. Convert 2.61 g to mg

$$\frac{2.61 \text{ g}}{\quad} =$$

9. Convert 24.37 g to mg

10. Convert 22.87 L to cL

11. Convert 22.04 mL to L

12. Convert 9.42 L to mL

13. Convert 2.03 cm³ to mL

14. Convert 23.28 g to kg

15. Convert 29.76 kg to g

16. Convert 9.72 g to kg

17. Convert 9.72 m to dm

18. Convert 9.72 m to mm

19. Convert 9.72 m to cm

20. Convert 1.47 g to mg

$$\frac{1.47 \text{ kg}}{\quad} = \frac{\text{g}}{\text{kg}} = \frac{\text{mg}}{\text{g}}$$

21. Convert 7.18 mL to cL

$$\frac{7.18 \text{ mL}}{\quad} = \frac{\text{L}}{\quad} = \text{L}$$

22. Convert 33.21 cg to mg

25. Convert 15.51 cm to m

23. Convert 30.62 mg to cg

26. Convert 12.28 cm to dm

24. Convert 16.4 mm to m

27. Convert 32.43 dm to cm