

The Metric System
Practice Problems

Name _____
Period _____
Date _____

Convert the following measurements to the equivalent unit indicated

Level 1

1. 100 cm \rightarrow _____ m
2. 0.001 m \rightarrow _____ mm
3. 10 L \rightarrow _____ mL
4. 1000 g \rightarrow _____ Kg
5. 0.001 s \rightarrow _____ μ s
6. 10 cm \rightarrow _____ m
7. 75 mL \rightarrow _____ L
8. 342 mg \rightarrow _____ g
9. 0.055 s \rightarrow _____ μ s
10. 32.9 g \rightarrow _____ cg
11. 553.2 cm \rightarrow _____ m
12. 396.77 μ s \rightarrow _____ s
13. 0.049 L \rightarrow _____ mL
14. 8.026 m \rightarrow _____ μ m
15. 0.00805 kg \rightarrow _____ g

Level 2

1. 50 cm \rightarrow _____ mm
2. 25 mg \rightarrow _____ cg
3. 36 mL \rightarrow _____ dL
4. 89 cg \rightarrow _____ mg
5. 35.8 hg \rightarrow _____ kg
6. 22.9 mL \rightarrow _____ μ L
7. 60.3 dg \rightarrow _____ cg
8. 0.866 km \rightarrow _____ hm
9. 82.5 cL \rightarrow _____ mL
10. 0.8209 cg \rightarrow _____ mg
11. 264.77 nm \rightarrow _____ cm
12. 0.0489 μ L \rightarrow _____ mL
13. 1.0194 dm \rightarrow _____ mm
14. 0.00804 cm \rightarrow _____ mm
15. 37.84 mg \rightarrow _____ cg
16. 1.0×10^{-4} g \rightarrow _____ mg
17. 5.0×10^3 mm \rightarrow _____ cm
18. 2.35×10^2 m \rightarrow _____ km
19. 0.588×10^3 mg \rightarrow _____ g
20. 7.755×10^3 g \rightarrow _____ mg