

Metric Review worksheet

Physical Science

Name Key

Use the chart below to help you convert! Remember it is all about moving the decimal point to the left or to the right!

Kids (kilo)	Have (hecto)	Dropped (Deca)	Over (base)	Dead (deci)	Converting (centi)	Metrics (milli)
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Units of Measurement

1. What is one advantage to using the metric system? Universal + Easy to convert
2. The basic unit of length in the metric system is the meter
3. What unit of measurement would I use to measure the length of a snickers bar? cm
4. What unit of measurement would I use to measure the thickness of a nose hair? mm
5. What unit of measurement would I use to measure the distance from Lisle to Chicago? km
6. What unit of measurement would I use to measure a football field? m
7. The basic unit of Mass (weight) in the metric system is the gram
8. What unit of Mass measurement would I use to measure a vitamin pill? mg
9. What unit of Mass measurement would I use to measure a person? kg
10. What unit of Mass measurement would I use to measure a small pebble? cg
11. The basic unit of measurement for Volume in the metric system is the liter
12. To measure the amount of liquid in a soda can I would use ml
13. To measure the amount of water in a bucket I would use L
14. To measure the amount of water in an eye dropper I would use ml

Now use what you already have learned to convert the following.

1. 256 m = 25,600 cm

2. 97.25 cm = 972.5 mm

3. 952 g = 952,000 mg

4. .574 m = 57.4 cm

5. 5.287 l = 5287 ml

6. 785.3 km = 785,300 m

7. 84.363 km = 84,363,000 cm

8. 872 km = 872,000,000 mm

9. 95,824 cm = 958,240 mm

10. 8.26 kl = 8,260,000 ml

11. 36 mm = 3.6 cm

12. 857 cm = 8570 mm

13. 8.52 mg = 0.00852 g

14. 975 mm = 97.5 cm

15. 9,824 cm = 98.24 m

16. 74.21 cm = 0.007421 km

17. .254 g = 0.000254 kg

18. 96 mm = 0.00096 km

19. 12.5 cm = 0.125 m

20. .85 ml = 0.00085 l

21. 86 g = 86,000 mg

22. 87.2 mm = 8.72 cm

23. 1 mm = 0.1 cm

24. 973.5 cm = 0.009735 km

25. .534 cm = 0.00534 m

26. 984 g = 0.984 kg

27. 8.64 m = 8640 mm

28. 64.3 ml = 0.0643 l

29. 8.47 km = 8,470 m

30. 74,201 mm = 0.074201 km

31. .24 mg = 0.00000024 kg

32. 7.4 kl = 7400 l

33. 874 m = 87400 cm

34. 1 cm = 0.00001 km

35. 8.412 mm = 0.008412 m

36. 68.2 mg = 0.0682 g

37. 8.5743 cm = 0.000085743 km

38. 95,870 m = 95,870,000 mm

39. 547 kl = 547,000,000 ml

40. 1 km = 1,000,000 mm