

Symbol Identification Activity

Circle the correct symbol(s) for the prefix and unit listed.

decagram a) DG b) daG c) Dg d) dag

megameter a) mm b) MM c) Mm d) mM

nanoliter a) nL b) ML c) nL d) NI

kilogram a) Kg b) kg c) kG d) KG

decimeter a)Kg b) dm c) DM d) dM

hectoliter a) HL b) HI c)hL d) hl

micrometer a) μ M b) μ m c) UM d) Um

gigagram a) GG b) Gg c) gG d) gg

centiliter a) CL b) cL c) cl d) Cl

milligram a) mG b) MG c) Mg d)mg

NAME:

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Complete the charts below by filling in the appropriate prefix and symbol.

Prefix	Symbol	Power of 10	Prefix	Symbol	Power of 10
		10^{12}			10^{-1}
		10^9			10^{-2}
		10^6			10^{-3}
		10^3			10^{-6}
		10^2			10^{-9}
		10^1			10^{-12}

Directions: Convert ALL numbers to BASE first then Circle the greatest metric measurement in each group

- | | | |
|------------------|---------------|----------------|
| 1.) 4000cm, | 50,000mm, | 4.5m |
| 2.) 2.6 L, | 2900 mL, | 5000 cL |
| 3.) 31,000 mg, | 7500 cg, | 1.7Kg |
| 4.) 14 L, | 50,000 mL, | 8900 cL |
| 5.) 23 m, | 27,000 cm, | 27,000,005 mm |
| 6.) 32,000 cg, | 37,300 mg, | 3.5 Kg |
| 7.) 3920 cg, | 1.5 Kg, | 300,843 mg |
| 8.) 213 L, | 3.1 KL, | 3,200,540 mL |
| 9.) 720,000 cg, | 27Kg, | 321,002,394 mg |
| 10.) 948,304 mL, | 312,394 cL, | 22 KL |
| 11.) 1.2Km, | 420m, | 4,230cm |
| 12.) 43 g, | 43 Kg, | 43 mg |
| 13.) 27,000 cm, | 12,000mm, | 21Km |
| 14.) 4,300 mL, | 34KL, | 75 L |
| 15.) 41,436 g, | 8,002,980 mg, | 23Kg |

Directions: Convert ALL numbers to BASE first then Circle the smallest metric measurement in each group.

- | | | |
|------------------|---------------|----------------|
| 16.) 5 Km, | 52,000 cm, | 52 m |
| 17.) 6L, | 900 mL, | 400 cL |
| 18.) 300 mg, | 1,500 g, | 1Kg |
| 19.) 3.2 L, | 30,000 mL, | 3100 cL |
| 20.) 31m, | 27,000 cm, | 60,005 mm |
| 21.) 12,000 cg, | 22,300 mg, | 2.5 Kg |
| 22.) 2320 cg, | 2.2 Kg, | 20,843 mg |
| 23.) 321 L, | 3.1KL, | 3,200,210 mL |
| 24.) 320,000 cg, | 37Kg, | 327,002,394 mg |
| 25.) 98,204 mL, | 232,394 L, | 12 KL |
| 26.) 3.2Km, | 620m, | 7,230cm |
| 27.) 31 g, | 23Kg, | 13 mg |
| 28.) 32,000 cm, | 42,000 mm, | 41 Km |
| 29.) 6,300 mL, | 26 KL, | 25 L |
| 30.) 3,436 g, | 3,002,980 mg, | 3 Kg |

Writing Meters, Liters, and Grams Worksheet

DIRECTIONS: fill in the blanks

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|-----------|-----|-------------|----|
| 1) 3 mm = | cm | 7) 9 L = | hL |
| 2) 5 cm = | dm | 8) 4 mL = | L |
| 3) 6 dm = | m | 9) 25 cg = | g |
| 4) 8 m = | dam | 10) 15 g = | Kg |
| 5) 6 cL = | L | 11) 32 dg = | hg |
| 6) 7 dL = | daL | 12) 98 cg = | g |

DIRECTIONS: fill in the blanks

- | | | | |
|----------------|-----|-----------------|----|
| 13) 0.3 cm = | mm | 19) 0.09 hL = | L |
| 14) 0.6 m = | dm | 20) 0.002 L = | mL |
| 15) 0.4 hm = | dam | 21) 0.027 g = | mg |
| 16) 0.9 Km = | hm | 22) 0.15 dg = | mg |
| 17) 0.06 L = | cL | 23) 0.052 dag = | cg |
| 18) 0.08 dkL = | dL | 24) 0.22 hg = | g |

DIRECTIONS: fill in the blanks

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|----------------|----|----------------|----|
| 25) 37 mm = | cm | 31) 27 mL = | L |
| 26) 107 cm = | m | 32) 4.010 mL = | L |
| 27) 1.529 m = | Km | 33) 378 g = | Kg |
| 28) 256 cm = | m | 34) 56 g = | Kg |
| 29) 276 mL = | L | 35) 9.762 g = | Kg |
| 30) 8.278 mL = | L | 36) 8.920 g = | Kg |

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Directions: Write the equivalent measure for each problem.

- | | | | | | |
|--------------|---|----|-------------|---|-----|
| 1. 3770 mL | = | L | 22. 40mL | = | dL |
| 2. 9200 L | = | KL | 23. 5000dL | = | KL |
| 3. 37 g | = | Kg | 24. 8cg | = | dag |
| 4. 5130 L | = | KL | 25. 12000mL | = | KL |
| 5. 3240 mg | = | g | 26. 50mg | = | dg |
| 6. 6300 m | = | Km | 27. 6000m | = | Km |
| 7. 4900 Kg | = | g | 28. 200Kg | = | g |
| 8. 4300000 g | = | Kg | 29. 10000g | = | Kg |
| 9. 230 mL | = | L | 30. 500mL | = | L |
| 10. 412 L | = | mL | 31. 1L | = | mL |
| 11. 230 L | = | KL | 32. 4000cL | = | KL |
| 12. 150 cm | = | m | 33. 400cm | = | mm |
| 13. 210 mL | = | KL | 34. 20mL | = | KL |
| 14. 7283 mL | = | L | 35. 7000mL | = | daL |
| 15. 123 cm | = | mm | 36. 7cm | = | mm |
| 16. 520 L | = | mL | 37. 9000L | = | mL |
| 17. 165m | = | mm | 38. 6m | = | mm |
| 18. 230cm | = | m | 39. 1000cm | = | mm |
| 19. 417Km | = | m | 40. 11 Km | = | m |
| 20. 723mg | = | Kg | 41. 80 mg | = | Kg |
| 21. 281m | = | mm | 42. 3m | = | mm |