

Name _____

Date _____

Metric Length

1. 92 cm = _____ mm

2. 61 cm = _____ mm

3. 51 cm = _____ mm

4. 735 m = _____ mm

5. 70 mm = _____ cm

6. 10 mm = _____ cm

7. 6 km = _____ cm

8. 317 m = _____ cm

9. 7 km = _____ m

10. 3,300 cm = _____ m

11. 12 km = _____ m

12. 9,800 cm = _____ m

13. 8,000 m = _____ km

14. 8 km = _____ m

15. 12,000 m = _____ km

16. 3,000 m = _____ km

17. 9,000 mm = _____ m _____ cm

18. 1,109 mm = _____ m _____ cm

19. 1,554 cm = _____ m _____ mm

20. 2,238 mm = _____ m _____ cm

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Metric Weight

1. 3 g = _____ kg
2. 83 g = _____ mg
3. 976 g = _____ mg
4. 32 g = _____ mg
5. 90 mg = _____ g
6. 80 mg = _____ kg
7. 266 g = _____ kg
8. 3 kg = _____ mg
9. 8,000 mg = _____ g
10. 6,000 mg = _____ g
11. 8,000 kg = _____ g
12. 200 mg = _____ g
13. 3,000 g = _____ kg
14. 9,000 g = _____ kg
15. 12,000 g = _____ kg
16. 5,000 g = _____ kg
17. 5,000 mg = _____ g _____ kg
18. 5,556 kg = _____ g _____ mg
19. 642 kg = _____ g _____ mg
20. 7,645 mg = _____ g _____ kg

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Metric System Measurement Conversions

1. 1000 mL = _____ L
2. 120 mm = _____ cm
3. 1200 mL = _____ L
4. 2 cm = _____ mm
5. 11000 L = _____ ml
6. 10 L = _____ ml
7. 12000 m = _____ km
8. 8 g = _____ mg
9. 80 ml = _____ L
10. 3 L = _____ ml
11. 2000 L = _____ ml
12. 5 cm = _____ mm
13. 900 cm = _____ m
14. 11 g = _____ mg
15. 9000 m = _____ km
16. 7000 ml = _____ L
17. 5 kg = _____ g
18. 60 mm = _____ cm
19. 1 kg = _____ g
20. 4000 ml = _____ L
21. 1 L = _____ ml
22. 1100 ml = _____ L
23. 10000 g = _____ kg
24. 2000 ml = _____ L
25. 7000 L = _____ ml
26. 70 ml = _____ L
27. 5 g = _____ mg
28. 9 L = _____ ml
29. 1 g = _____ mg
30. 8 kg = _____ g
31. 6 g = _____ kg
32. 6 km = _____ m
33. 30 mg = _____ g

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Metric Mass

1. 15 mg = _____ μg

2. 20 mg = _____ μg

3. 5 mg = _____ μg

4. 8 mg = _____ μg

5. 2000 μg = _____ mg

6. 10000 μg = _____ mg

7. 150 μg = _____ mg

8. 500 μg = _____ mg

9. 5 g = _____ μg

10. 10 g = _____ μg

11. 2 g = _____ μg

12. 1 g = _____ μg

13. 6000 μg = _____ g

14. 10000 μg = _____ g

15. 500000 μg = _____ g

16. 1 μg = _____ g

17. 1 kg = _____ μg

18. 0.05 kg = _____ μg

19. 0.00009 kg = _____ μg

20. 0.000001 = _____ μg

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Other Metric Conversions

1. A nurse must administer 5 mg of a drug per kg of body mass. The patient weighs 140 lbs. How many grams should the nurse administer?

2. A nurse must administer 10 mg of a drug per kg of body mass. The patient weighs 150 lbs. How many grams should the nurse administer?

3. A nurse must administer 15 mg of a drug per kg of body mass. The patient weighs 175 lbs. How many grams should the nurse administer?

4. A nurse must administer 1 mg of a drug per kg of body mass. The patient weighs 200 lbs. How many grams should the nurse administer?

