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CONVERTING METRIC UNITS – LENGTH SHEET 3

- 1) $5 \text{ km} = \underline{\hspace{2cm}} \text{ m}$ 2) $600 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$
 3) $8 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$ 4) $\underline{\hspace{2cm}} \text{ km} = 4000 \text{ m}$
 5) $\underline{\hspace{2cm}} \text{ m} = 900 \text{ cm}$ 6) $120 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$
 7) $7 \text{ km} = \underline{\hspace{2cm}} \text{ m}$ 8) $14 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$
 9) $12 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$ 10) $\underline{\hspace{2cm}} \text{ km} = 13,000 \text{ m}$

Use greater than (>), less than (<) or equals (=) to compare the amounts.

- | | | | | | |
|---------------------|----------------------------|------------------|----------------------|--------------------------|------------------|
| 1) 1200 m | <input type="checkbox"/> > | 1 km | 2) 620 cm | <input type="checkbox"/> | 7 m |
| 3) 8 m | <input type="checkbox"/> | 750 cm | 4) 82 mm | <input type="checkbox"/> | 7 cm |
| 5) 45 mm | <input type="checkbox"/> | 5 cm | 6) 1300 cm | <input type="checkbox"/> | 13 m |
| 7) 900 m | <input type="checkbox"/> | 9 km | 8) 12 cm | <input type="checkbox"/> | 120 mm |

Name: _____

Date: _____

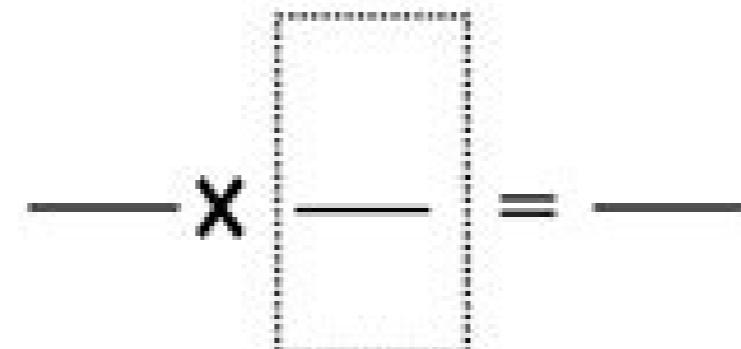
Metric Conversion Worksheet #1

Convert the following measurements to the desired metric unit. Use the conversion graphic organizer to complete the unit conversion steps listed to the right.

Unit Conversion Steps

1. Write given values
2. Write conversion factor
3. Cancel "like" units
4. Multiply & add new unit

1. $6.2 \text{ m} = \underline{\hspace{2cm}}$ mm



2. $500 \text{ mL} = \underline{\hspace{2cm}}$ L

3. $125 \text{ m} = \underline{\hspace{2cm}}$ km

4. $9 \text{ m} = \underline{\hspace{2cm}}$ mm

5. $7 \text{ kL} = \underline{\hspace{2cm}}$ L

6. $8 \text{ g} = \underline{\hspace{2cm}}$ mg

7. $912 \text{ g} = \underline{\hspace{2cm}}$ kg

8. $142 \text{ cm} = \underline{\hspace{2cm}}$ m

9. $32 \text{ kg} = \underline{\hspace{2cm}}$ g

10. $42.5 \text{ cm} = \underline{\hspace{2cm}}$ mm

Metric Conversion Worksheet

Write the correct abbreviation for each metric unit.

- | | | |
|-------------------|---------------------|---------------------|
| 1) Kilogram _____ | 4) Milliliter _____ | 7) Decimeter _____ |
| 2) Meter _____ | 5) Dekameter _____ | 8) Centimeter _____ |
| 3) Gram _____ | 6) Liter _____ | 9) Hectogram _____ |

Try these conversions.

- | | |
|-----------------------------------|-------------------------------------|
| 1) $2000 \text{ mg} =$ _____ g | 16) $5 \text{ L} =$ _____ mL |
| 2) $104 \text{ km} =$ _____ m | 17) $198 \text{ g} =$ _____ kg |
| 3) $480 \text{ cm} =$ _____ m | 18) $75 \text{ mL} =$ _____ L |
| 4) $5.6 \text{ kg} =$ _____ g | 19) $50 \text{ cm} =$ _____ m |
| 5) $8 \text{ mm} =$ _____ cm | 20) $5.6 \text{ m} =$ _____ cm |
| 6) $24 \text{ kg} =$ _____ cg | 21) $8.42 \text{ dg} =$ _____ dag |
| 7) $8.2 \text{ cm} =$ _____ hm | 22) $7 \text{ dm} =$ _____ hm |
| 8) $0.27 \text{ mL} =$ _____ cL | 23) $91 \text{ kL} =$ _____ hL |
| 9) $16 \text{ cm} =$ _____ mm | 24) $2500 \text{ m} =$ _____ km |
| 10) $65 \text{ g} =$ _____ mg | 25) $6.3 \text{ cm} =$ _____ mm |
| 11) $120 \text{ mg} =$ _____ g | 26) $36 \text{ mm} =$ _____ dam |
| 12) $84.72 \text{ hg} =$ _____ g | 27) $0.64 \text{ kL} =$ _____ dL |
| 13) $914.2 \text{ dL} =$ _____ mL | 28) $3.457 \text{ hg} =$ _____ cg |
| 14) $624 \text{ daL} =$ _____ kL | 29) $0.00005 \text{ cm} =$ _____ kn |
| 15) $0.237 \text{ m} =$ _____ cm | 30) $12345 \text{ dag} =$ _____ dg |

Compare using <, >, or =.

- 1) 63 cm _____ 6 m 3) 5 g _____ 508 mg 5) 1,500 mL _____ 1.5 L
2) 536 cm _____ 53.6 dm 4) 43 mg _____ 5 g 6) 3.6 m _____ 36 cm

Name: _____	Date: _____
Convert the following metric units of length.	
1) 5 km = _____ m	2) 600 cm = _____ m
3) 8 cm = _____ mm	4) _____ km = 4000 m
5) _____ m = 900 cm	6) 120 mm = _____ cm
7) 7 km = _____ m	8) 14 cm = _____ mm
9) 12 m = _____ cm	10) _____ km = 13,000 m
11) _____ cm = 130 mm	12) 1400 cm = _____ m

Which is the most? Circle the largest amount in each box.

100 m 1 km 1000 cm	3 km 2850 m 5000 cm	380 cm 4000 mm 3 m	9200 m 20,000 cm 9 km
Use greater than (>), less than (<) or equals (=) to compare the amounts.			
1) 3 km	>	2000 m	2) 1000 m
3) 5 cm		50 mm	4) 300 m
5) 7 m		500 cm	6) 6 cm

7)	30 mm		3 cm	8)	800 cm		7 m
9)	40 cm		4 m	10)	5 km		4900 m

10

10

CONVERTING METRIC UNITS - LENGTH SHEET 1



- | | | | |
|-----|----------------|-----|----------------|
| 1) | 1cm = _____ mm | 2) | 2cm = _____ mm |
| 3) | 3cm = _____ mm | 4) | 4cm = _____ mm |
| 5) | 1m = _____ cm | 6) | 2m = _____ cm |
| 7) | 3m = _____ cm | 8) | 4m = _____ cm |
| 9) | 1km = _____ m | 10) | 2km = _____ m |
| 11) | 3km = _____ m | 12) | 5km = _____ m |

Which is the most? Circle the largest amount in each box.

1 m	10 m	100 m	1 m
1 km	100 cm	500 cm	200 cm
1 cm	200 mm	1 km	300 mm

Use greater than (>), less than (<) or equals (=) to compare the amounts.

1)	1 m	>	10 cm	2)	1 km		1000 m
3)	20 mm		1 cm	4)	80 cm		1 m
5)	200 m		1 km	6)	3cm		40 mm
7)	10 mm		1 cm	8)	2 km		3000 m
9)	3 m		40 cm	10)	500 cm		3 m

Worksheets The worksheets on this page cover area conversion problems for converting metric/SI area to other square metric units. Square Meters to Square Centimeters Area is the amount of space taken up by a two dimensional surface. It really is one of the very best websites around. Note that you will lose points if you ask for hints or clues! We welcome your feedback, comments and questions about this site or page. Use the "Hint" button to get a free letter if an answer is giving you trouble. Contents Mathster is a fantastic resource for creating online and paper-based assessments and homeworks. In other words, a square meter contains 10,000 square centimeters. In units of area conversion we will learn how to convert the units. (km², cm², mm²) Fill in all the gaps, then press "Check" to check your answers. Worksheet Name 1 2 3 Converting units of mass 1 2 3 Converting Units of Length A 1 2 3 Converting units of capacity A 1 2 3 Converting units of Area and Volume A 1 2 3 Units of measurement - length, mass and capacity 1 2 3 Corbett Maths board_arrow Up Back to Top Corbett Maths offers outstanding, original exam style questions on any topic, as well as videos, past papers and 5-a-day. Or want to know more information about Maths Only Math. Math.

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