

Converting Between nm, μm , mm, and cm (A)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 0,036 cm to mm
2. Convert 0,124 μm to nm
3. Convert 2300 nm to μm
4. Convert 0,0578 cm to μm
5. Convert 7.825.000.000 nm to cm
6. Convert 0,0005584 mm to nm
7. Convert 191.000 μm to mm
8. Convert 63.700.000.000 nm to cm
9. Convert 0,00055 mm to nm
10. Convert 240 mm to cm

Converting Between nm, μm , mm, and cm (A) Answers

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 0,036 cm to mm

$$0,036 \text{ cm} \times 10 = 0,36 \text{ mm}$$

2. Convert 0,124 μm to nm

$$0,124 \mu\text{m} \times 10 \times 10 \times 10 = 124 \text{ nm}$$

3. Convert 2300 nm to μm

$$2300 \text{ nm} \div 10 \div 10 \div 10 = 2,3 \mu\text{m}$$

4. Convert 0,0578 cm to μm

$$0,0578 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 578 \mu\text{m}$$

5. Convert 7.825.000.000 nm to cm

$$7.825.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 782,5 \text{ cm}$$

6. Convert 0,0005584 mm to nm

$$0,0005584 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 558,4 \text{ nm}$$

7. Convert 191.000 μm to mm

$$191.000 \mu\text{m} \div 10 \div 10 \div 10 = 191 \text{ mm}$$

8. Convert 63.700.000.000 nm to cm

$$63.700.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 6370 \text{ cm}$$

9. Convert 0,00055 mm to nm

$$0,00055 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 550 \text{ nm}$$

10. Convert 240 mm to cm

$$240 \text{ mm} \div 10 = 24 \text{ cm}$$

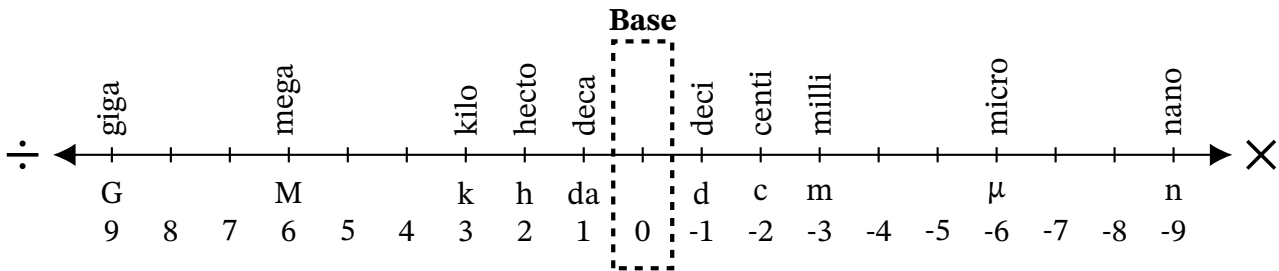
Converting Between nm, μm , mm, and cm (B)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.

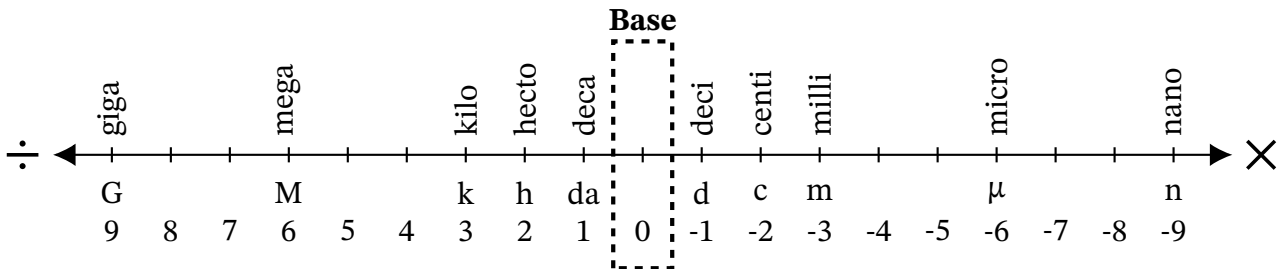


1. Convert 56,9 cm to mm
2. Convert 4,358 cm to μm
3. Convert 48 cm to mm
4. Convert 0,0009816 mm to nm
5. Convert 430 nm to μm
6. Convert 12.000.000 nm to cm
7. Convert 5.020.000.000 nm to mm
8. Convert 5.200.000 nm to cm
9. Convert 22.000 nm to μm
10. Convert 0,7371 mm to μm

Converting Between nm, μm , mm, and cm (B) Answers

Name: _____ Date: _____ Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 56,9 cm to mm

$$56,9 \text{ cm} \times 10 = 569 \text{ mm}$$

2. Convert 4,358 cm to μm

$$4,358 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 43.580 \mu\text{m}$$

3. Convert 48 cm to mm

$$48 \text{ cm} \times 10 = 480 \text{ mm}$$

4. Convert 0,0009816 mm to nm

$$0,0009816 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 981,6 \text{ nm}$$

5. Convert 430 nm to μm

$$430 \text{ nm} \div 10 \div 10 \div 10 = 0,43 \mu\text{m}$$

6. Convert 12.000.000 nm to cm

$$12.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 1,2 \text{ cm}$$

7. Convert 5.020.000.000 nm to mm

$$5.020.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 5020 \text{ mm}$$

8. Convert 5.200.000 nm to cm

$$5.200.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0,52 \text{ cm}$$

9. Convert 22.000 nm to μm

$$22.000 \text{ nm} \div 10 \div 10 \div 10 = 22 \mu\text{m}$$

10. Convert 0,7371 mm to μm

$$0,7371 \text{ mm} \times 10 \times 10 \times 10 = 737,1 \mu\text{m}$$

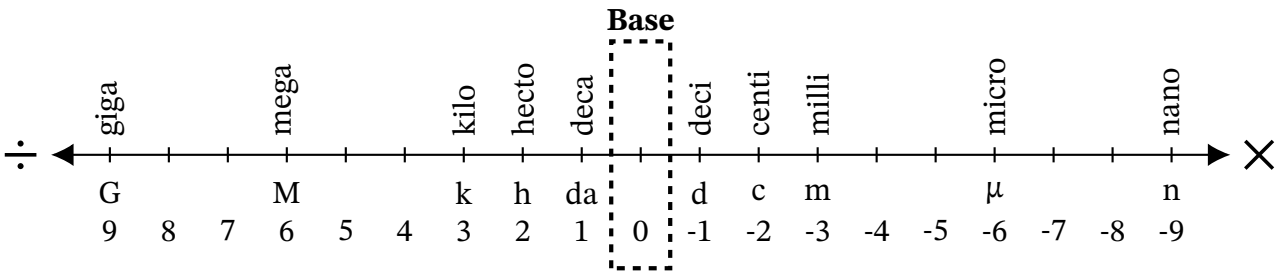
Converting Between nm, μm , mm, and cm (C)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.

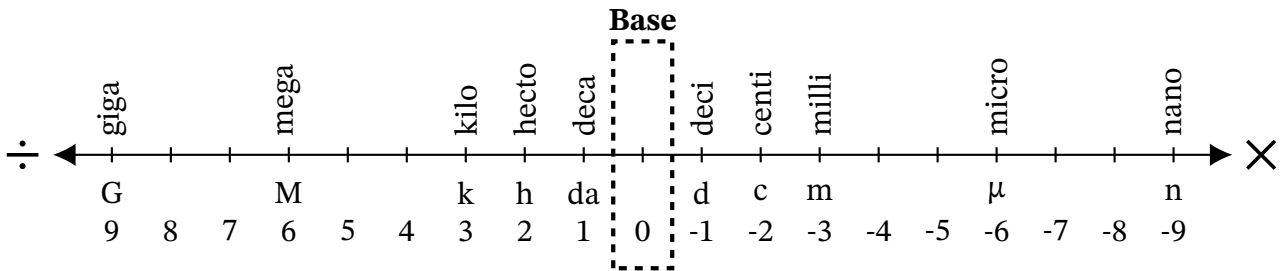


1. Convert 7.900.000 μm to mm
2. Convert 2.439.000 mm to cm
3. Convert 0,000000837 cm to nm
4. Convert 3.800.000.000 nm to cm
5. Convert 0,0000028 mm to nm
6. Convert 778,8 μm to nm
7. Convert 84,3 cm to mm
8. Convert 82.310.000.000 nm to mm
9. Convert 9.200.000 μm to cm
10. Convert 2,4 μm to nm

Converting Between nm, μm , mm, and cm (C) Answers

Name: _____ Date: _____ Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 7.900.000 μm to mm
 $7.900.000 \mu\text{m} \div 10 \div 10 \div 10 = 7900 \text{ mm}$
2. Convert 2.439.000 mm to cm
 $2.439.000 \text{ mm} \div 10 = 243.900 \text{ cm}$
3. Convert 0,000000837 cm to nm
 $0,000000837 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 8,37 \text{ nm}$
4. Convert 3.800.000.000 nm to cm
 $3.800.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 380 \text{ cm}$
5. Convert 0,0000028 mm to nm
 $0,0000028 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 2,8 \text{ nm}$
6. Convert 778,8 μm to nm
 $778,8 \mu\text{m} \times 10 \times 10 \times 10 = 778.800 \text{ nm}$
7. Convert 84,3 cm to mm
 $84,3 \text{ cm} \times 10 = 843 \text{ mm}$
8. Convert 82.310.000.000 nm to mm
 $82.310.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 82.310 \text{ mm}$
9. Convert 9.200.000 μm to cm
 $9.200.000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 920 \text{ cm}$
10. Convert 2,4 μm to nm
 $2,4 \mu\text{m} \times 10 \times 10 \times 10 = 2400 \text{ nm}$

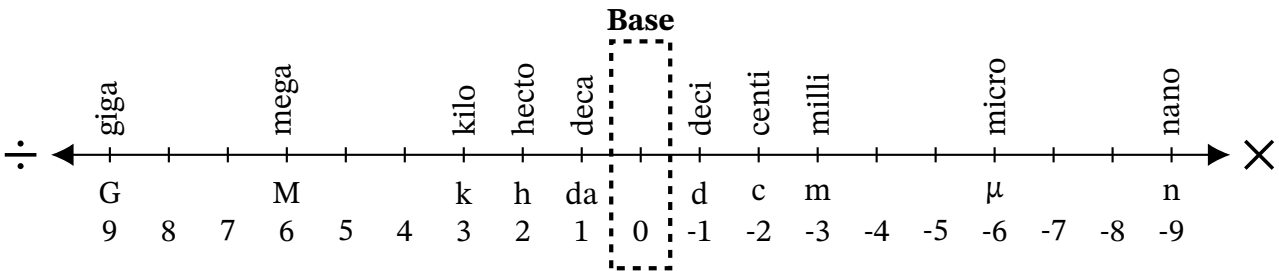
Converting Between nm, μm , mm, and cm (D)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 0,000039 cm to nm
2. Convert 220.000 nm to mm
3. Convert 305.300.000 nm to μm
4. Convert 7.847.000.000 nm to mm
5. Convert 0,404 cm to mm
6. Convert 0,013 cm to μm
7. Convert 4077 mm to cm
8. Convert 6,3 mm to μm
9. Convert 460.000.000 nm to cm
10. Convert 0,0042 μm to nm

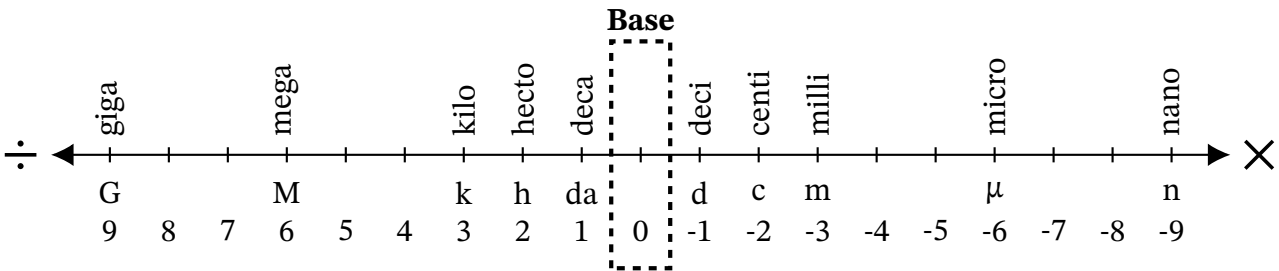
Converting Between nm, μm , mm, and cm (D) Answers

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 0,000039 cm to nm

$$0,000039 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 390 \text{ nm}$$

2. Convert 220.000 nm to mm

$$220.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0,22 \text{ mm}$$

3. Convert 305.300.000 nm to μm

$$305.300.000 \text{ nm} \div 10 \div 10 \div 10 = 305.300 \mu\text{m}$$

4. Convert 7.847.000.000 nm to mm

$$7.847.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 7847 \text{ mm}$$

5. Convert 0,404 cm to mm

$$0,404 \text{ cm} \times 10 = 4,04 \text{ mm}$$

6. Convert 0,013 cm to μm

$$0,013 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 130 \mu\text{m}$$

7. Convert 4077 mm to cm

$$4077 \text{ mm} \div 10 = 407,7 \text{ cm}$$

8. Convert 6,3 mm to μm

$$6,3 \text{ mm} \times 10 \times 10 \times 10 = 6300 \mu\text{m}$$

9. Convert 460.000.000 nm to cm

$$460.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 46 \text{ cm}$$

10. Convert 0,0042 μm to nm

$$0,0042 \mu\text{m} \times 10 \times 10 \times 10 = 4,2 \text{ nm}$$

Converting Between nm, μm , mm, and cm (E)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 0,000515 cm to μm
2. Convert 0,9743 μm to nm
3. Convert 49.550.000 μm to mm
4. Convert 94.900 mm to cm
5. Convert 0,0000465 mm to nm
6. Convert 3600 mm to cm
7. Convert 0,00046 mm to nm
8. Convert 710 nm to μm
9. Convert 0,005509 cm to nm
10. Convert 62.000.000 nm to cm

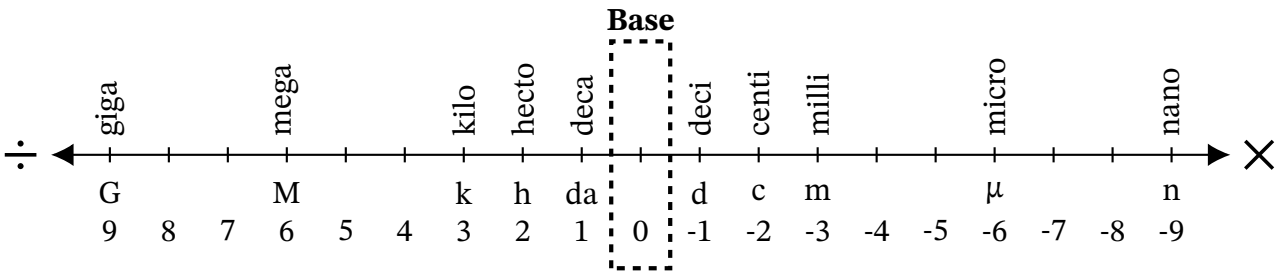
Converting Between nm, μm , mm, and cm (F)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 671.000.000 μm to cm
2. Convert 902.600.000 nm to cm
3. Convert 59 cm to mm
4. Convert 4,4 μm to nm
5. Convert 0,068 cm to mm
6. Convert 0,00005613 mm to nm
7. Convert 6.329.000.000 nm to mm
8. Convert 1.902.000 nm to μm
9. Convert 5.465.000.000.000 nm to cm
10. Convert 0,00145 mm to μm

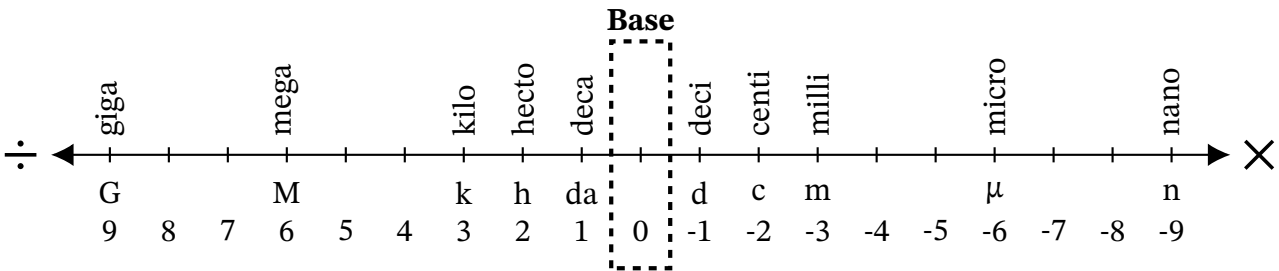
Converting Between nm, μm, mm, and cm (F) Answers

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 671.000.000 μm to cm

$$671.000.000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 67.100 \text{ cm}$$

2. Convert 902.600.000 nm to cm

$$902.600.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 90,26 \text{ cm}$$

3. Convert 59 cm to mm

$$59 \text{ cm} \times 10 = 590 \text{ mm}$$

4. Convert 4,4 μm to nm

$$4,4 \mu\text{m} \times 10 \times 10 \times 10 = 4400 \text{ nm}$$

5. Convert 0,068 cm to mm

$$0,068 \text{ cm} \times 10 = 0,68 \text{ mm}$$

6. Convert 0,00005613 mm to nm

$$0,00005613 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 56,13 \text{ nm}$$

7. Convert 6.329.000.000 nm to mm

$$6.329.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 6329 \text{ mm}$$

8. Convert 1.902.000 nm to μm

$$1.902.000 \text{ nm} \div 10 \div 10 \div 10 = 1902 \mu\text{m}$$

9. Convert 5.465.000.000.000 nm to cm

$$5.465.000.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 546.500 \text{ cm}$$

10. Convert 0,00145 mm to μm

$$0,00145 \text{ mm} \times 10 \times 10 \times 10 = 1,45 \mu\text{m}$$

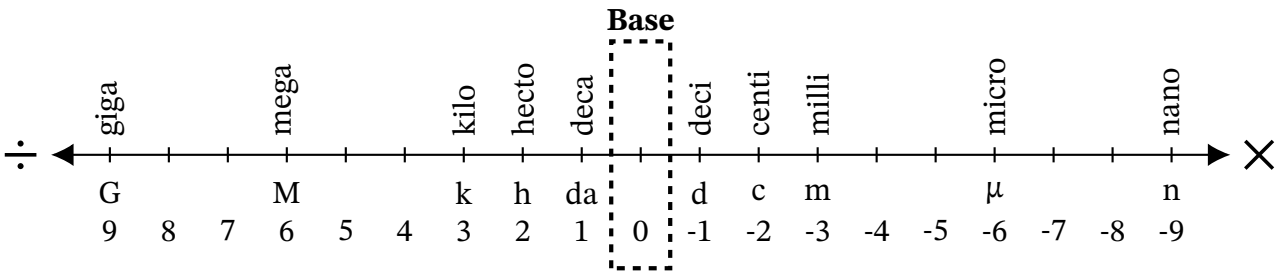
Converting Between nm, μm , mm, and cm (G)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 8.183.000.000 nm to mm
2. Convert 0,00000057 cm to nm
3. Convert 217.000 μm to cm
4. Convert 0,0309 μm to nm
5. Convert 790.000 nm to μm
6. Convert 8700 mm to cm
7. Convert 81,9 cm to mm
8. Convert 59.640.000.000 nm to mm
9. Convert 0,3725 mm to μm
10. Convert 0,000000969 cm to nm

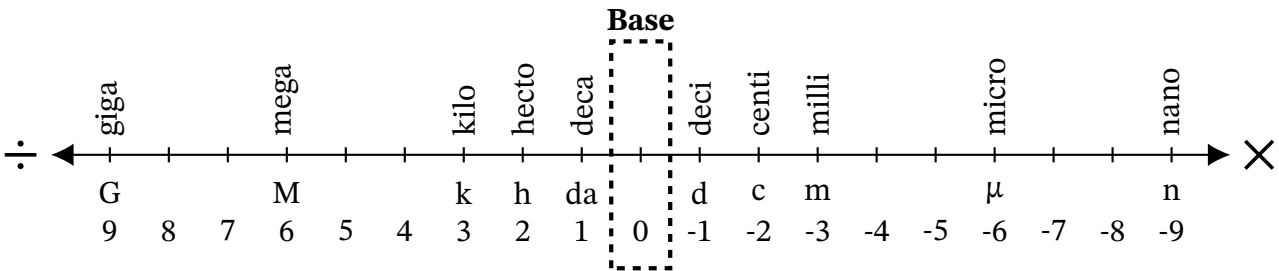
Converting Between nm, μm , mm, and cm (G) Answers

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 8.183.000.000 nm to mm

$$8.183.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 8183 \text{ mm}$$

2. Convert 0,00000057 cm to nm

$$0,00000057 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 5,7 \text{ nm}$$

3. Convert 217.000 μm to cm

$$217.000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 21,7 \text{ cm}$$

4. Convert 0,0309 μm to nm

$$0,0309 \mu\text{m} \times 10 \times 10 \times 10 = 30,9 \text{ nm}$$

5. Convert 790.000 nm to μm

$$790.000 \text{ nm} \div 10 \div 10 \div 10 = 790 \mu\text{m}$$

6. Convert 8700 mm to cm

$$8700 \text{ mm} \div 10 = 870 \text{ cm}$$

7. Convert 81,9 cm to mm

$$81,9 \text{ cm} \times 10 = 819 \text{ mm}$$

8. Convert 59.640.000.000 nm to mm

$$59.640.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 59.640 \text{ mm}$$

9. Convert 0,3725 mm to μm

$$0,3725 \text{ mm} \times 10 \times 10 \times 10 = 372,5 \mu\text{m}$$

10. Convert 0,000000969 cm to nm

$$0,000000969 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 9,69 \text{ nm}$$

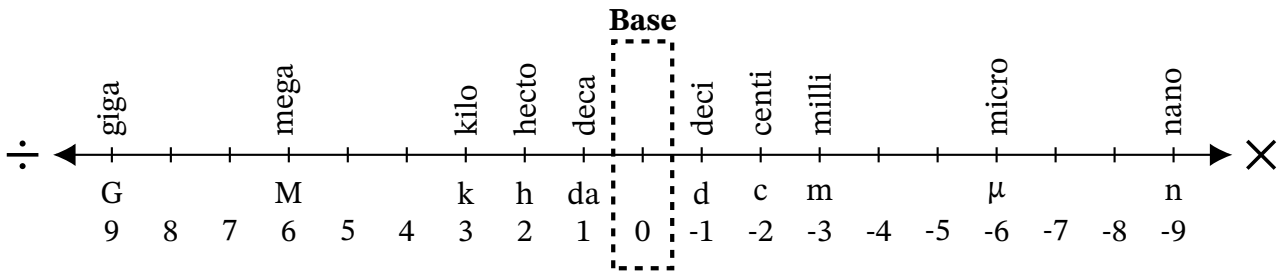
Converting Between nm, μm , mm, and cm (H)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 75.020.000 nm to mm
2. Convert 0,144 μm to nm
3. Convert 46,1 μm to nm
4. Convert 942,4 mm to cm
5. Convert 5.300.000 nm to cm
6. Convert 24,08 cm to μm
7. Convert 29,2 mm to μm
8. Convert 46,6 mm to cm
9. Convert 917.000.000.000 nm to cm
10. Convert 0,00000017 mm to nm

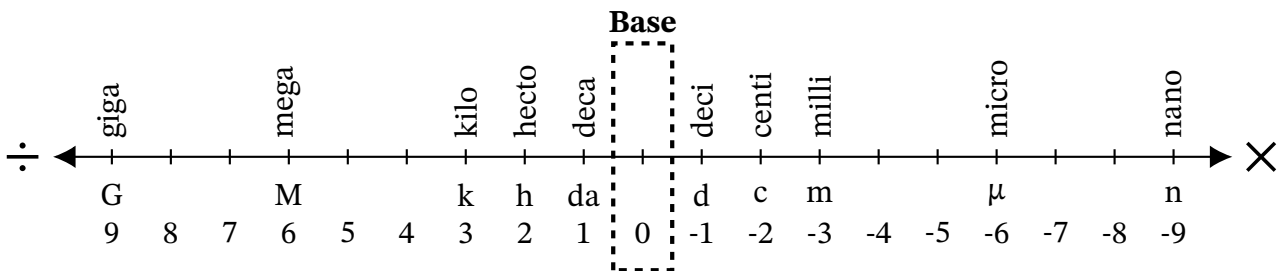
Converting Between nm, μm , mm, and cm (H) Answers

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 75.020.000 nm to mm

$$75.020.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 75,02 \text{ mm}$$

2. Convert 0,144 μm to nm

$$0,144 \mu\text{m} \times 10 \times 10 \times 10 = 144 \text{ nm}$$

3. Convert 46,1 μm to nm

$$46,1 \mu\text{m} \times 10 \times 10 \times 10 = 46.100 \text{ nm}$$

4. Convert 942,4 mm to cm

$$942,4 \text{ mm} \div 10 = 94,24 \text{ cm}$$

5. Convert 5.300.000 nm to cm

$$5.300.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0,53 \text{ cm}$$

6. Convert 24,08 cm to μm

$$24,08 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 240.800 \mu\text{m}$$

7. Convert 29,2 mm to μm

$$29,2 \text{ mm} \times 10 \times 10 \times 10 = 29.200 \mu\text{m}$$

8. Convert 46,6 mm to cm

$$46,6 \text{ mm} \div 10 = 4,66 \text{ cm}$$

9. Convert 917.000.000.000 nm to cm

$$917.000.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 91.700 \text{ cm}$$

10. Convert 0,00000017 mm to nm

$$0,00000017 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0,17 \text{ nm}$$

Converting Between nm, μm , mm, and cm (I)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.



1. Convert 0,482 mm to μm
2. Convert 6,6 mm to cm
3. Convert 830 nm to μm
4. Convert 0,000000089 cm to nm
5. Convert 919.500 μm to cm
6. Convert 76.400.000 nm to cm
7. Convert 0,0033 mm to nm
8. Convert 24.160.000.000 nm to mm
9. Convert 0,9139 μm to nm
10. Convert 480 cm to mm

Converting Between nm, μm , mm, and cm (I) Answers

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 0,482 mm to μm

$$0,482 \text{ mm} \times 10 \times 10 \times 10 = 482 \mu\text{m}$$

2. Convert 6,6 mm to cm

$$6,6 \text{ mm} \div 10 = 0,66 \text{ cm}$$

3. Convert 830 nm to μm

$$830 \text{ nm} \div 10 \div 10 \div 10 = 0,83 \mu\text{m}$$

4. Convert 0,000000089 cm to nm

$$0,000000089 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0,89 \text{ nm}$$

5. Convert 919.500 μm to cm

$$919.500 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 91,95 \text{ cm}$$

6. Convert 76.400.000 nm to cm

$$76.400.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 7,64 \text{ cm}$$

7. Convert 0,0033 mm to nm

$$0,0033 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3300 \text{ nm}$$

8. Convert 24.160.000.000 nm to mm

$$24.160.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 24.160 \text{ mm}$$

9. Convert 0,9139 μm to nm

$$0,9139 \mu\text{m} \times 10 \times 10 \times 10 = 913,9 \text{ nm}$$

10. Convert 480 cm to mm

$$480 \text{ cm} \times 10 = 4800 \text{ mm}$$

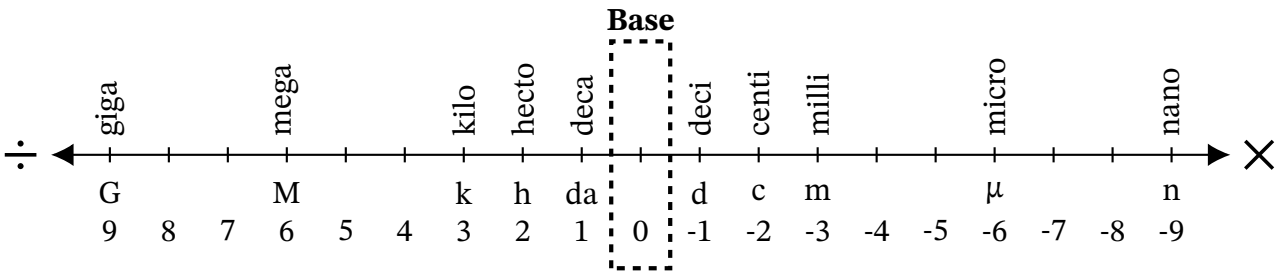
Converting Between nm, μm , mm, and cm (J)

Name: _____

Date: _____

Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div ^2 ^3$.

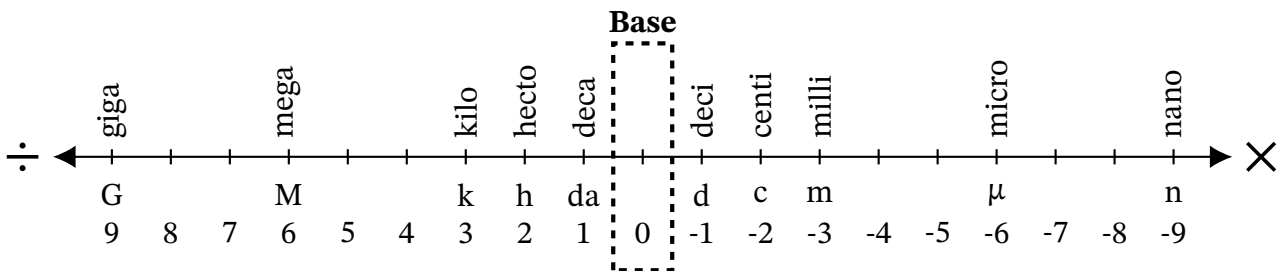


1. Convert 0,0025 mm to nm
2. Convert 7,197 cm to μm
3. Convert 9700 μm to mm
4. Convert 79.000 mm to cm
5. Convert 3,691 cm to mm
6. Convert 0,34 μm to nm
7. Convert 4.972.000.000 nm to mm
8. Convert 0,02507 cm to nm
9. Convert 913.000.000.000 nm to cm
10. Convert 6700 nm to μm

Converting Between nm, μm , mm, and cm (J) Answers

Name: _____ Date: _____ Score: _____ /10

Complete each conversion. Symbols for copying and pasting: $\times \div 2^3$.



1. Convert 0,0025 mm to nm

$$0,0025 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 2500 \text{ nm}$$

2. Convert 7,197 cm to μm

$$7,197 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 71.970 \mu\text{m}$$

3. Convert 9700 μm to mm

$$9700 \mu\text{m} \div 10 \div 10 \div 10 = 9,7 \text{ mm}$$

4. Convert 79.000 mm to cm

$$79.000 \text{ mm} \div 10 = 7900 \text{ cm}$$

5. Convert 3,691 cm to mm

$$3,691 \text{ cm} \times 10 = 36,91 \text{ mm}$$

6. Convert 0,34 μm to nm

$$0,34 \mu\text{m} \times 10 \times 10 \times 10 = 340 \text{ nm}$$

7. Convert 4.972.000.000 nm to mm

$$4.972.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 4972 \text{ mm}$$

8. Convert 0,02507 cm to nm

$$0,02507 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 250.700 \text{ nm}$$

9. Convert 913.000.000.000 nm to cm

$$913.000.000.000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 91.300 \text{ cm}$$

10. Convert 6700 nm to μm

$$6700 \text{ nm} \div 10 \div 10 \div 10 = 6,7 \mu\text{m}$$