

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 9 870 000 nm to μm
2. Convert 0.00000092 cm to nm
3. Convert 859 900 000 000 nm to mm
4. Convert 0.12 cm to μm
5. Convert 1 300 000 nm to cm
6. Convert 0.1194 cm to μm
7. Convert 0.39 μm to nm
8. Convert 0.0315 mm to μm
9. Convert 77 200 000 nm to mm
10. Convert 6 320 000 μm to mm

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 9 870 000 nm to μm

$$9\,870\,000\text{ nm} \div 10 \div 10 \div 10 = 9870\ \mu\text{m}$$

2. Convert 0.00000092 cm to nm

$$0.00000092\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 9.2\text{ nm}$$

3. Convert 859 900 000 000 nm to mm

$$859\,900\,000\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 859\,900\text{ mm}$$

4. Convert 0.12 cm to μm

$$0.12\text{ cm} \times 10 \times 10 \times 10 \times 10 = 1200\ \mu\text{m}$$

5. Convert 1 300 000 nm to cm

$$1\,300\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.13\text{ cm}$$

6. Convert 0.1194 cm to μm

$$0.1194\text{ cm} \times 10 \times 10 \times 10 \times 10 = 1194\ \mu\text{m}$$

7. Convert 0.39 μm to nm

$$0.39\ \mu\text{m} \times 10 \times 10 \times 10 = 390\text{ nm}$$

8. Convert 0.0315 mm to μm

$$0.0315\text{ mm} \times 10 \times 10 \times 10 = 31.5\ \mu\text{m}$$

9. Convert 77 200 000 nm to mm

$$77\,200\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 77.2\text{ mm}$$

10. Convert 6 320 000 μm to mm

$$6\,320\,000\ \mu\text{m} \div 10 \div 10 \div 10 = 6320\text{ mm}$$

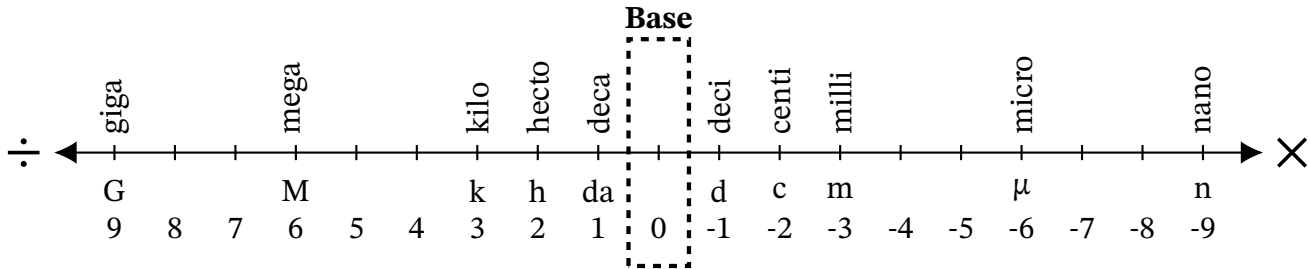
Converting Between nm, μm , mm and cm (B)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.0000061 cm to nm
2. Convert 0.6756 μm to nm
3. Convert 0.398 mm to μm
4. Convert 0.003705 mm to nm
5. Convert 344 700 000 nm to cm
6. Convert 0.22 cm to μm
7. Convert 740 μm to mm
8. Convert 340 000 nm to mm
9. Convert 610 nm to μm
10. Convert 92 050 000 μm to cm

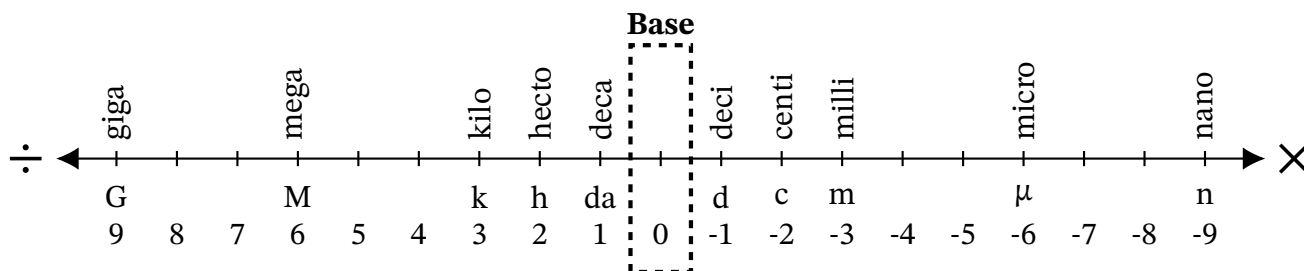
Converting Between nm, μm , mm and cm (B) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 0.0000061 cm to nm

$$0.0000061 \text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 61 \text{ nm}$$

2. Convert 0.6756 μm to nm

$$0.6756 \mu\text{m} \times 10 \times 10 \times 10 = 675.6 \text{ nm}$$

3. Convert 0.398 mm to μm

$$0.398 \text{ mm} \times 10 \times 10 \times 10 = 398 \mu\text{m}$$

4. Convert 0.003705 mm to nm

$$0.003705 \text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3705 \text{ nm}$$

5. Convert 344 700 000 nm to cm

$$344\,700\,000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 34.47 \text{ cm}$$

6. Convert 0.22 cm to μm

$$0.22 \text{ cm} \times 10 \times 10 \times 10 \times 10 = 2200 \mu\text{m}$$

7. Convert 740 μm to mm

$$740 \mu\text{m} \div 10 \div 10 \div 10 = 0.74 \text{ mm}$$

8. Convert 340 000 nm to mm

$$340\,000 \text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.34 \text{ mm}$$

9. Convert 610 nm to μm

$$610 \text{ nm} \div 10 \div 10 \div 10 = 0.61 \mu\text{m}$$

10. Convert 92 050 000 μm to cm

$$92\,050\,000 \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 9205 \text{ cm}$$

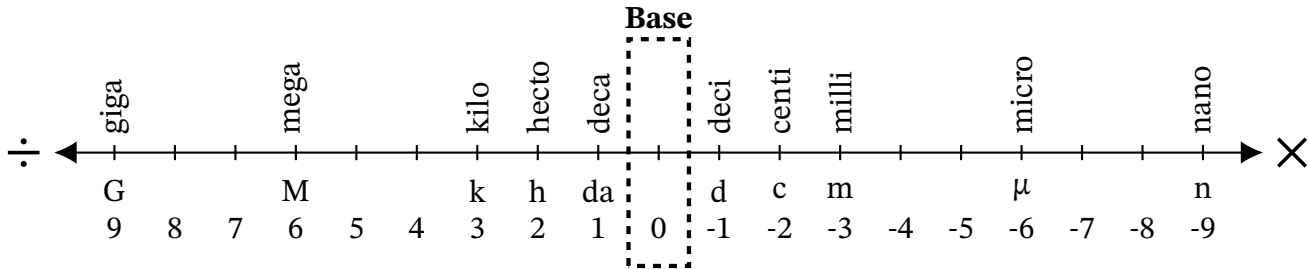
Converting Between nm, μm , mm and cm (C)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 708 900 μm to cm
2. Convert 3.64 μm to nm
3. Convert 0.0861 mm to μm
4. Convert 0.000004242 cm to nm
5. Convert 3.8 mm to μm
6. Convert 434 900 nm to μm
7. Convert 60 460 000 000 nm to cm
8. Convert 0.00000153 mm to nm
9. Convert 696 000 000 μm to cm
10. Convert 650 000 nm to mm

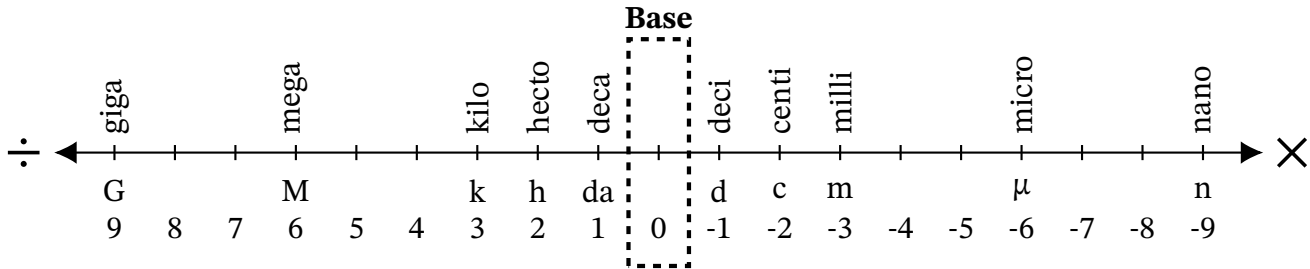
Converting Between nm, μm , mm and cm (C) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 708 900 μm to cm

$$708\,900\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 70.89\ \text{cm}$$

2. Convert 3.64 μm to nm

$$3.64\ \mu\text{m} \times 10 \times 10 \times 10 = 3640\ \text{nm}$$

3. Convert 0.0861 mm to μm

$$0.0861\ \text{mm} \times 10 \times 10 \times 10 = 86.1\ \mu\text{m}$$

4. Convert 0.000004242 cm to nm

$$0.000004242\ \text{cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 42.42\ \text{nm}$$

5. Convert 3.8 mm to μm

$$3.8\ \text{mm} \times 10 \times 10 \times 10 = 3800\ \mu\text{m}$$

6. Convert 434 900 nm to μm

$$434\,900\ \text{nm} \div 10 \div 10 \div 10 = 434.9\ \mu\text{m}$$

7. Convert 60 460 000 000 nm to cm

$$60\,460\,000\,000\ \text{nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 6046\ \text{cm}$$

8. Convert 0.00000153 mm to nm

$$0.00000153\ \text{mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 1.53\ \text{nm}$$

9. Convert 696 000 000 μm to cm

$$696\,000\,000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 69\,600\ \text{cm}$$

10. Convert 650 000 nm to mm

$$650\,000\ \text{nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.65\ \text{mm}$$

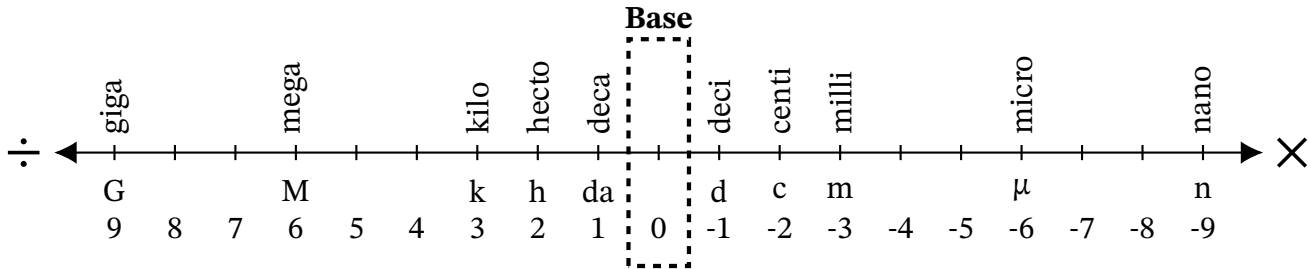
Converting Between nm, μm , mm and cm (D)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 3 100 000 μm to cm
2. Convert 899 000 nm to μm
3. Convert 68 000 000 μm to cm
4. Convert 0.0000155 cm to nm
5. Convert 0.05646 mm to nm
6. Convert 659 800 μm to mm
7. Convert 0.00008795 mm to nm
8. Convert 0.00000019 cm to nm
9. Convert 0.00081 mm to μm
10. Convert 3 070 000 nm to μm

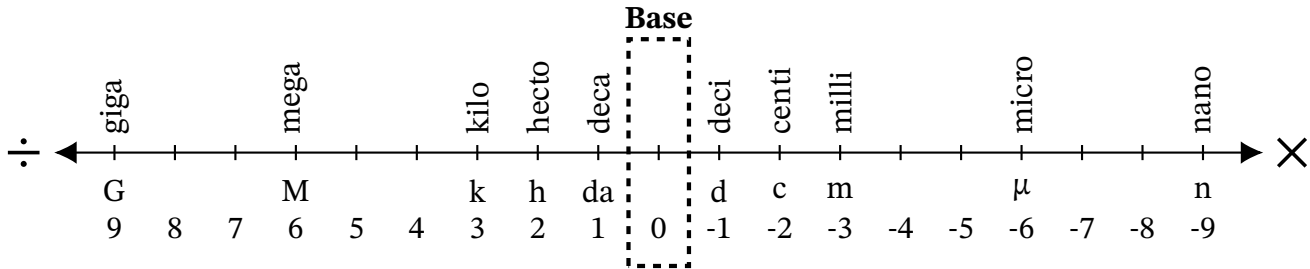
Converting Between nm, μm , mm and cm (D) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 3 100 000 μm to cm

$$3\ 100\ 000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 310\ \text{cm}$$

2. Convert 899 000 nm to μm

$$899\ 000\ \text{nm} \div 10 \div 10 \div 10 = 899\ \mu\text{m}$$

3. Convert 68 000 000 μm to cm

$$68\ 000\ 000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 6800\ \text{cm}$$

4. Convert 0.0000155 cm to nm

$$0.0000155\ \text{cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 155\ \text{nm}$$

5. Convert 0.05646 mm to nm

$$0.05646\ \text{mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 56\ 460\ \text{nm}$$

6. Convert 659 800 μm to mm

$$659\ 800\ \mu\text{m} \div 10 \div 10 \div 10 = 659.8\ \text{mm}$$

7. Convert 0.00008795 mm to nm

$$0.00008795\ \text{mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 87.95\ \text{nm}$$

8. Convert 0.00000019 cm to nm

$$0.00000019\ \text{cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 1.9\ \text{nm}$$

9. Convert 0.00081 mm to μm

$$0.00081\ \text{mm} \times 10 \times 10 \times 10 = 0.81\ \mu\text{m}$$

10. Convert 3 070 000 nm to μm

$$3\ 070\ 000\ \text{nm} \div 10 \div 10 \div 10 = 3070\ \mu\text{m}$$

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 1 740 000 nm to mm
2. Convert 4.244 μm to nm
3. Convert 0.000000054 cm to nm
4. Convert 187 800 μm to mm
5. Convert 209 000 000 μm to cm
6. Convert 0.849 cm to μm
7. Convert 445 700 000 nm to mm
8. Convert 8.862 mm to μm
9. Convert 0.009896 cm to nm
10. Convert 20 760 nm to μm

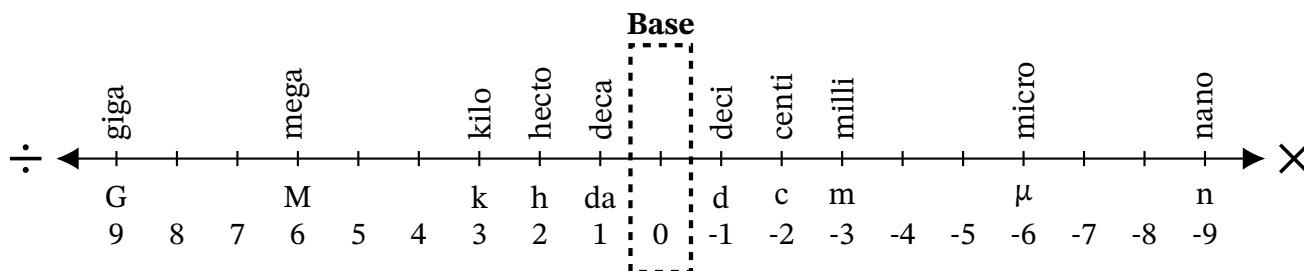
Converting Between nm, μm , mm and cm (E) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 1 740 000 nm to mm

$$1\,740\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 1.74\text{ mm}$$

2. Convert 4.244 μm to nm

$$4.244\ \mu\text{m} \times 10 \times 10 \times 10 = 4244\text{ nm}$$

3. Convert 0.000000054 cm to nm

$$0.000000054\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.54\text{ nm}$$

4. Convert 187 800 μm to mm

$$187\,800\ \mu\text{m} \div 10 \div 10 \div 10 = 187.8\text{ mm}$$

5. Convert 209 000 000 μm to cm

$$209\,000\,000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 20\,900\text{ cm}$$

6. Convert 0.849 cm to μm

$$0.849\text{ cm} \times 10 \times 10 \times 10 \times 10 = 8490\ \mu\text{m}$$

7. Convert 445 700 000 nm to mm

$$445\,700\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 445.7\text{ mm}$$

8. Convert 8.862 mm to μm

$$8.862\text{ mm} \times 10 \times 10 \times 10 = 8862\ \mu\text{m}$$

9. Convert 0.009896 cm to nm

$$0.009896\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 98\,960\text{ nm}$$

10. Convert 20 760 nm to μm

$$20\,760\text{ nm} \div 10 \div 10 \div 10 = 20.76\ \mu\text{m}$$

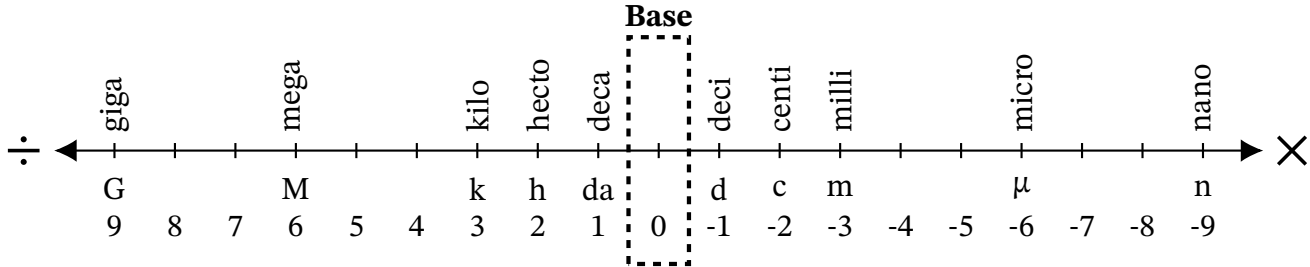
Converting Between nm, μm , mm and cm (F)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 7 040 000 nm to mm
2. Convert 486 200 000 μm to mm
3. Convert 0.0000038 mm to nm
4. Convert 0.000492 cm to μm
5. Convert 6 610 000 nm to μm
6. Convert 0.000000019 cm to nm
7. Convert 8700 μm to mm
8. Convert 95 700 000 000 nm to cm
9. Convert 0.2455 cm to μm
10. Convert 38.2 μm to nm

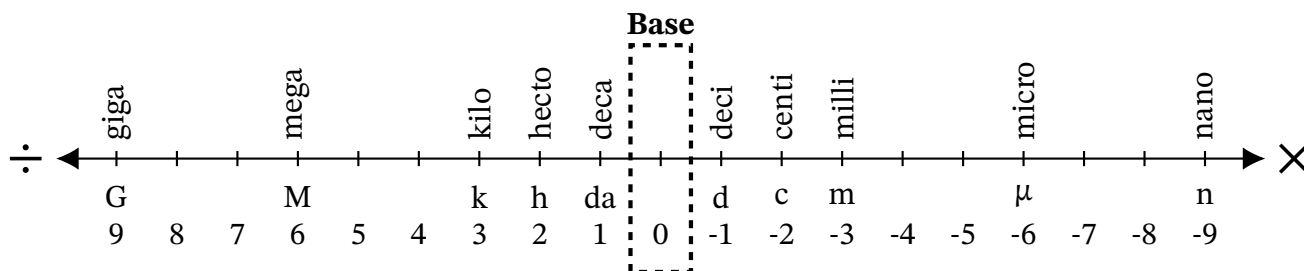
Converting Between nm, μm , mm and cm (F) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 7 040 000 nm to mm

$$7\,040\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 7.04\text{ mm}$$

2. Convert 486 200 000 μm to mm

$$486\,200\,000\ \mu\text{m} \div 10 \div 10 \div 10 = 486\,200\text{ mm}$$

3. Convert 0.0000038 mm to nm

$$0.0000038\text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 3.8\text{ nm}$$

4. Convert 0.000492 cm to μm

$$0.000492\text{ cm} \times 10 \times 10 \times 10 \times 10 = 4.92\ \mu\text{m}$$

5. Convert 6 610 000 nm to μm

$$6\,610\,000\text{ nm} \div 10 \div 10 \div 10 = 6610\ \mu\text{m}$$

6. Convert 0.000000019 cm to nm

$$0.000000019\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.19\text{ nm}$$

7. Convert 8700 μm to mm

$$8700\ \mu\text{m} \div 10 \div 10 \div 10 = 8.7\text{ mm}$$

8. Convert 95 700 000 000 nm to cm

$$95\,700\,000\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 9570\text{ cm}$$

9. Convert 0.2455 cm to μm

$$0.2455\text{ cm} \times 10 \times 10 \times 10 \times 10 = 2455\ \mu\text{m}$$

10. Convert 38.2 μm to nm

$$38.2\ \mu\text{m} \times 10 \times 10 \times 10 = 38\,200\text{ nm}$$

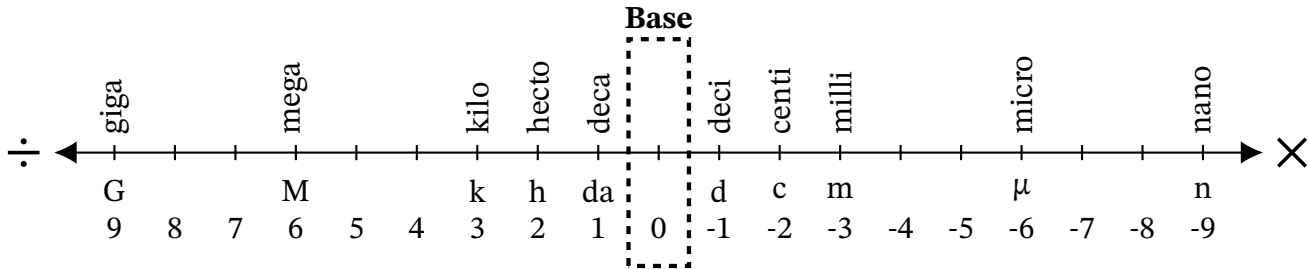
Converting Between nm, μm , mm and cm (G)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 345 500 000 nm to mm
2. Convert 840 000 nm to mm
3. Convert 0.0062 mm to μm
4. Convert 0.0000079 cm to nm
5. Convert 78 900 nm to μm
6. Convert 0.000000746 cm to nm
7. Convert 59 200 000 μm to cm
8. Convert 0.0216 μm to nm
9. Convert 420 000 μm to cm
10. Convert 0.42 mm to μm

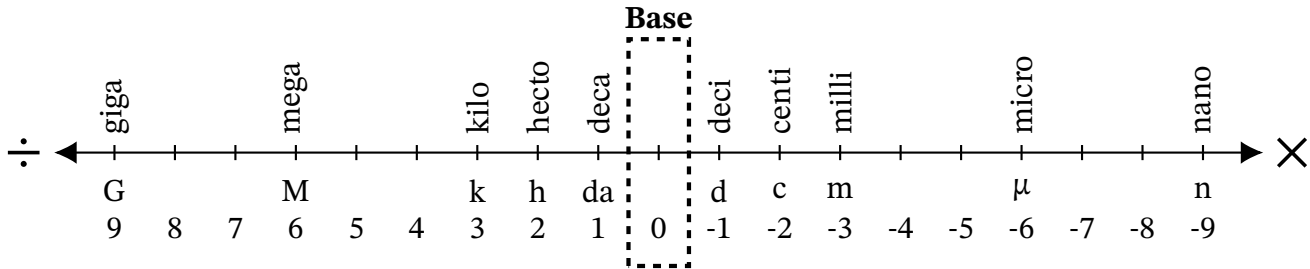
Converting Between nm, μm , mm and cm (G) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 345 500 000 nm to mm

$$345\,500\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 345.5\text{ mm}$$

2. Convert 840 000 nm to mm

$$840\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.84\text{ mm}$$

3. Convert 0.0062 mm to μm

$$0.0062\text{ mm} \times 10 \times 10 \times 10 = 6.2\ \mu\text{m}$$

4. Convert 0.0000079 cm to nm

$$0.0000079\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 79\text{ nm}$$

5. Convert 78 900 nm to μm

$$78\,900\text{ nm} \div 10 \div 10 \div 10 = 78.9\ \mu\text{m}$$

6. Convert 0.000000746 cm to nm

$$0.000000746\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 7.46\text{ nm}$$

7. Convert 59 200 000 μm to cm

$$59\,200\,000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 5920\text{ cm}$$

8. Convert 0.0216 μm to nm

$$0.0216\ \mu\text{m} \times 10 \times 10 \times 10 = 21.6\text{ nm}$$

9. Convert 420 000 μm to cm

$$420\,000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 42\text{ cm}$$

10. Convert 0.42 mm to μm

$$0.42\text{ mm} \times 10 \times 10 \times 10 = 420\ \mu\text{m}$$

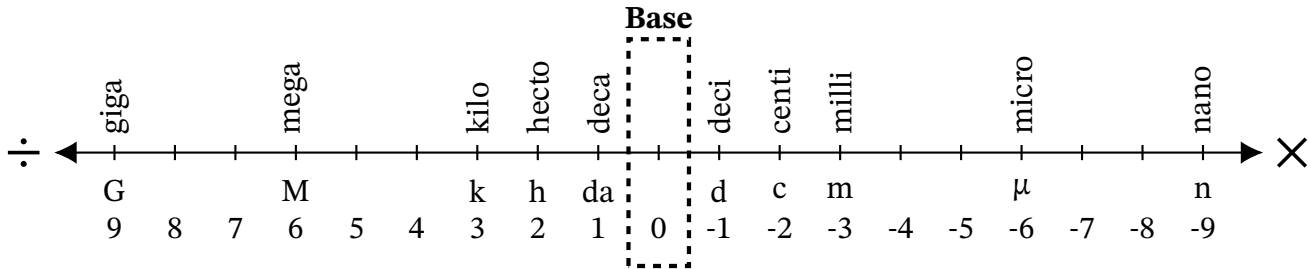
Converting Between nm, μm , mm and cm (H)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 746 000 000 nm to cm
2. Convert 6900 μm to cm
3. Convert 0.0718 mm to nm
4. Convert 3 100 000 nm to cm
5. Convert 0.038 μm to nm
6. Convert 0.00012 mm to nm
7. Convert 0.042 mm to μm
8. Convert 58 260 000 μm to mm
9. Convert 7 250 000 nm to μm
10. Convert 0.011 cm to μm

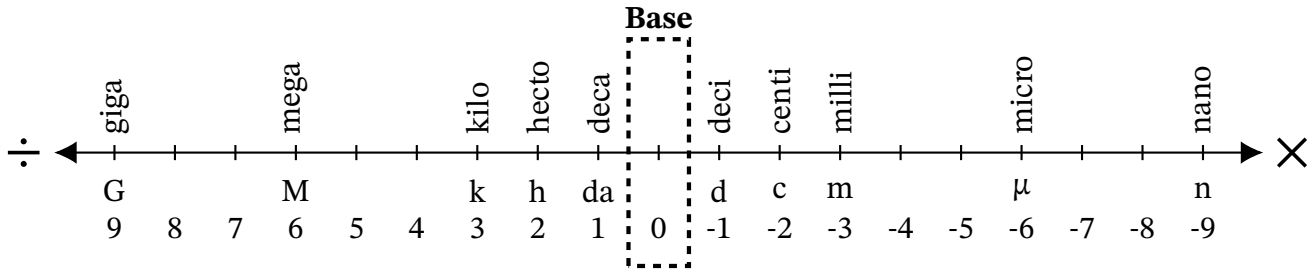
Converting Between nm, μm , mm and cm (H) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 746 000 000 nm to cm

$$746\,000\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 74.6\text{ cm}$$

2. Convert 6900 μm to cm

$$6900\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 0.69\text{ cm}$$

3. Convert 0.0718 mm to nm

$$0.0718\text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 71\,800\text{ nm}$$

4. Convert 3 100 000 nm to cm

$$3\,100\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 0.31\text{ cm}$$

5. Convert 0.038 μm to nm

$$0.038\ \mu\text{m} \times 10 \times 10 \times 10 = 38\text{ nm}$$

6. Convert 0.00012 mm to nm

$$0.00012\text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 120\text{ nm}$$

7. Convert 0.042 mm to μm

$$0.042\text{ mm} \times 10 \times 10 \times 10 = 42\ \mu\text{m}$$

8. Convert 58 260 000 μm to mm

$$58\,260\,000\ \mu\text{m} \div 10 \div 10 \div 10 = 58\,260\text{ mm}$$

9. Convert 7 250 000 nm to μm

$$7\,250\,000\text{ nm} \div 10 \div 10 \div 10 = 7250\ \mu\text{m}$$

10. Convert 0.011 cm to μm

$$0.011\text{ cm} \times 10 \times 10 \times 10 \times 10 = 110\ \mu\text{m}$$

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 21 610 000 nm to μm
2. Convert 65 000 μm to cm
3. Convert 0.0933 cm to μm
4. Convert 47 000 nm to μm
5. Convert 0.000000149 cm to nm
6. Convert 0.00000055 mm to nm
7. Convert 75 240 000 nm to mm
8. Convert 0.0000027 cm to nm
9. Convert 0.0513 mm to μm
10. Convert 21 000 μm 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 21 610 000 nm to μm

$$21\,610\,000\text{ nm} \div 10 \div 10 \div 10 = 21\,610\ \mu\text{m}$$

2. Convert 65 000 μm to cm

$$65\,000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 6.5\text{ cm}$$

3. Convert 0.0933 cm to μm

$$0.0933\text{ cm} \times 10 \times 10 \times 10 \times 10 = 933\ \mu\text{m}$$

4. Convert 47 000 nm to μm

$$47\,000\text{ nm} \div 10 \div 10 \div 10 = 47\ \mu\text{m}$$

5. Convert 0.000000149 cm to nm

$$0.000000149\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 1.49\text{ nm}$$

6. Convert 0.00000055 mm to nm

$$0.00000055\text{ mm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 0.55\text{ nm}$$

7. Convert 75 240 000 nm to mm

$$75\,240\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 75.24\text{ mm}$$

8. Convert 0.0000027 cm to nm

$$0.0000027\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 27\text{ nm}$$

9. Convert 0.0513 mm to μm

$$0.0513\text{ mm} \times 10 \times 10 \times 10 = 51.3\ \mu\text{m}$$

10. Convert 21 000 μm to mm

$$21\,000\ \mu\text{m} \div 10 \div 10 \div 10 = 21\text{ mm}$$

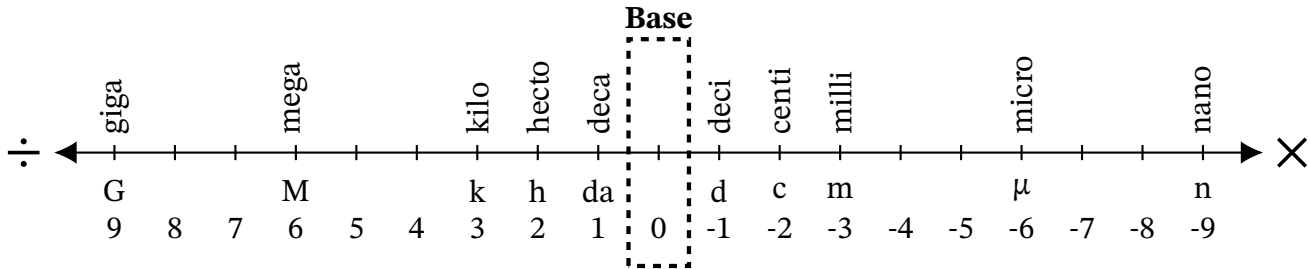
Converting Between nm, μm , mm and cm (J)

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 8 570 000 nm to mm
2. Convert 0.00000877 cm to nm
3. Convert 0.06377 mm to μm
4. Convert 19 550 000 000 nm to mm
5. Convert 287 000 000 μm to cm
6. Convert 0.002874 cm to μm
7. Convert 0.0579 mm to μm
8. Convert 5.07 μm to nm
9. Convert 5070 nm to μm
10. Convert 61 000 000 000 nm to cm

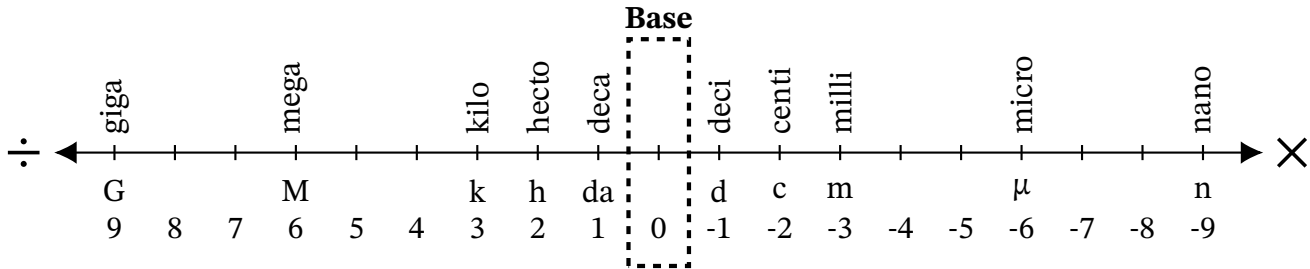
Converting Between nm, μm , mm and cm (J) Answers

Name: _____

Date: _____

Score: _____ /10

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



1. Convert 8 570 000 nm to mm

$$8\,570\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 8.57\text{ mm}$$

2. Convert 0.00000877 cm to nm

$$0.00000877\text{ cm} \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 87.7\text{ nm}$$

3. Convert 0.06377 mm to μm

$$0.06377\text{ mm} \times 10 \times 10 \times 10 = 63.77\ \mu\text{m}$$

4. Convert 19 550 000 000 nm to mm

$$19\,550\,000\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 19\,550\text{ mm}$$

5. Convert 287 000 000 μm to cm

$$287\,000\,000\ \mu\text{m} \div 10 \div 10 \div 10 \div 10 = 28\,700\text{ cm}$$

6. Convert 0.002874 cm to μm

$$0.002874\text{ cm} \times 10 \times 10 \times 10 \times 10 = 28.74\ \mu\text{m}$$

7. Convert 0.0579 mm to μm

$$0.0579\text{ mm} \times 10 \times 10 \times 10 = 57.9\ \mu\text{m}$$

8. Convert 5.07 μm to nm

$$5.07\ \mu\text{m} \times 10 \times 10 \times 10 = 5070\text{ nm}$$

9. Convert 5070 nm to μm

$$5070\text{ nm} \div 10 \div 10 \div 10 = 5.07\ \mu\text{m}$$

10. Convert 61 000 000 000 nm to cm

$$61\,000\,000\,000\text{ nm} \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 \div 10 = 6100\text{ cm}$$