## Converting Metric Units (A)

Convert each measurement to the unit indicated.

64,600,000 cm to km
0.000238 m to cm
0.00817 km to cm
0.0079 cm to mm
0.0000000332 km to mm
$736,000,000 \mathrm{~mm}$ to km
0.21 km to m
2.7 m to km
0.00928 m to mm
$6,310 \mathrm{~cm}$ to km

425,000 mL to L
6.81 cm to m
$14,700 \mathrm{~cm}$ to m
0.00738 L to mL
$60,800 \mathrm{~cm}$ to m

800 cm to m
0.703 km to m
0.000895 m to cm
0.00161 cm to mm
3.64 cm to mm

## Converting Metric Units (A) Answers

Convert each measurement to the unit indicated.

64,600,000 cm to km
646 km
0.000238 m to cm
0.0238 cm
0.00817 km to cm

817 cm
0.0079 cm to mm
0.079 mm
0.0000000332 km to mm
0.0332 mm

736,000,000 mm to km
736 km
0.21 km to m

210 m
2.7 m to km
0.0027 km
0.00928 m to mm
9.28 mm
$6,310 \mathrm{~cm}$ to km
0.0631 km

425,000 mL to L
425 L
6.81 cm to m
0.0681 m
$14,700 \mathrm{~cm}$ to m
147 m
0.00738 L to mL
7.38 mL
$60,800 \mathrm{~cm}$ to m
608 m

800 cm to m
8 m
0.703 km to m

703 m
0.000895 m to cm
0.0895 cm
0.00161 cm to mm
0.0161 mm
3.64 cm to mm
36.4 mm

## Converting Metric Units (B)

Convert each measurement to the unit indicated.
$50,200 \mathrm{~mL}$ to L
$558,000,000 \mathrm{~cm}$ to km
4.35 kg to g
$223,000 \mathrm{~cm}$ to km
0.622 cm to mm
0.0000465 km to cm

8,260,000,000 mm to km
0.0000361 L to mL
$78,600 \mathrm{~mm}$ to m

172 mm to cm
0.0555 m to mm

2,960 m to km
$8,420 \mathrm{~m}$ to km
0.000663 km to m

8,970,000 mg to kg
0.0884 km to cm

340 cm to km
$28,000 \mathrm{mg}$ to kg

9,480,000 mg to kg
0.0377 g to mg

## Converting Metric Units (B)

Convert each measurement to the unit indicated.

50,200 mL to L
50.2 L
$558,000,000 \mathrm{~cm}$ to km
$5,580 \mathrm{~km}$
4.35 kg to g
$4,350 \mathrm{~g}$
$223,000 \mathrm{~cm}$ to km
2.23 km
0.622 cm to mm
6.22 mm
0.0000465 km to cm
4.65 cm

8,260,000,000 mm to km $8,260 \mathrm{~km}$
0.0000361 L to mL
0.0361 mL
$78,600 \mathrm{~mm}$ to m
78.6 m

172 mm to cm
17.2 cm
0.0555 m to mm
55.5 mm

2,960 m to km
2.96 km

8,420 m to km
8.42 km
0.000663 km to m
0.663 m

8,970,000 mg to kg
8.97 kg
0.0884 km to cm

8,840 cm
340 cm to km
0.0034 km
$28,000 \mathrm{mg}$ to kg
0.028 kg

9,480,000 mg to kg
9.48 kg
0.0377 g to mg
37.7 mg

# Converting Metric Units (C) 

Convert each measurement to the unit indicated.

589 cm to m
$267,000 \mathrm{~m}$ to km

3,590 m to km
37.4 mm to m
0.0897 g to mg

9,880 mL to L
0.0000331 m to mm
$2,990 \mathrm{~cm}$ to m
$3,970 \mathrm{~mm}$ to cm
$4,660,000 \mathrm{mg}$ to g
0.0082 g to mg
5.76 g to mg
0.000858 g to mg
0.00000072 km to mm
76.1 mL to L

810,000 mL to L
0.734 g to mg

781,000 mL to L
0.0861 km to cm
$970,000 \mathrm{mg}$ to kg

## Converting Metric Units (C)

Convert each measurement to the unit indicated.

| $\begin{aligned} & 589 \mathrm{~cm} \text { to } \mathrm{m} \\ & 5.89 \mathrm{~m} \end{aligned}$ | $\begin{aligned} & 0.0082 \mathrm{~g} \text { to } \mathrm{mg} \\ & 8.2 \mathrm{mg} \end{aligned}$ |
| :---: | :---: |
| $\begin{aligned} & 267,000 \mathrm{~m} \text { to } \mathrm{km} \\ & 267 \mathrm{~km} \end{aligned}$ | $\begin{aligned} & 5.76 \mathrm{~g} \text { to } \mathrm{mg} \\ & 5,760 \mathrm{mg} \end{aligned}$ |
| $\begin{aligned} & 3,590 \mathrm{~m} \text { to } \mathrm{km} \\ & 3.59 \mathrm{~km} \end{aligned}$ | $\begin{aligned} & 0.000858 \mathrm{~g} \text { to } \mathrm{mg} \\ & 0.858 \mathrm{mg} \end{aligned}$ |
| $\begin{aligned} & 37.4 \mathrm{~mm} \text { to } \mathrm{m} \\ & 0.0374 \mathrm{~m} \end{aligned}$ | 0.00000072 km to mm 0.72 mm |
| 0.0897 g to mg 89.7 mg | $\begin{aligned} & 76.1 \mathrm{~mL} \text { to } \mathrm{L} \\ & 0.0761 \mathrm{~L} \end{aligned}$ |
| $\begin{aligned} & \text { 9,880 mL to L } \\ & 9.88 \mathrm{~L} \end{aligned}$ | $\begin{aligned} & 810,000 \mathrm{~mL} \text { to } \mathrm{L} \\ & 810 \mathrm{~L} \end{aligned}$ |
| $\begin{aligned} & 0.0000331 \mathrm{~m} \text { to } \mathrm{mm} \\ & 0.0331 \mathrm{~mm} \end{aligned}$ | 0.734 g to mg 734 mg |
| $\begin{aligned} & 2,990 \mathrm{~cm} \text { to } \mathrm{m} \\ & 29.9 \mathrm{~m} \end{aligned}$ | $\begin{aligned} & 781,000 \mathrm{~mL} \text { to } \mathrm{L} \\ & 781 \mathrm{~L} \end{aligned}$ |
| 3,970 mm to cm 397 cm | $\begin{aligned} & 0.0861 \mathrm{~km} \text { to } \mathrm{cm} \\ & 8,610 \mathrm{~cm} \end{aligned}$ |
| $\begin{aligned} & 4,660,000 \mathrm{mg} \text { to } \mathrm{g} \\ & 4,660 \mathrm{~g} \end{aligned}$ | $\begin{aligned} & 970,000 \mathrm{mg} \text { to } \mathrm{kg} \\ & 0.97 \mathrm{~kg} \end{aligned}$ |

## Converting Metric Units (D)

Convert each measurement to the unit indicated.

424 mm to m
0.00592 cm to mm
0.00631 g to mg

239 cm to mm
$8,230,000 \mathrm{~mm}$ to km
$82,900 \mathrm{~mm}$ to cm
0.079 L to mL

768 m to km
0.531 L to mL

653,000 m to km

792 mL to L
$890,000,000 \mathrm{~cm}$ to km

9,050 mL to L
$44,600 \mathrm{~m}$ to km

636,000 mL to L

5,410,000 cm to km

989 mg to g
$73,200,000 \mathrm{mg}$ to kg
0.0000658 kg to mg
$943,000 \mathrm{~mm}$ to m

## Converting Metric Units (D)

Convert each measurement to the unit indicated.

424 mm to m
0.424 m
0.00592 cm to mm
0.0592 mm
0.00631 g to mg
6.31 mg

239 cm to mm
2,390 mm
$8,230,000 \mathrm{~mm}$ to km
8.23 km
$82,900 \mathrm{~mm}$ to cm
$8,290 \mathrm{~cm}$
0.079 L to mL

79 mL

768 m to km
0.768 km
0.531 L to mL

531 mL

653,000 m to km
653 km

792 mL to L
0.792 L
$890,000,000 \mathrm{~cm}$ to km
$8,900 \mathrm{~km}$
9,050 mL to L
9.05 L
$44,600 \mathrm{~m}$ to km
44.6 km

636,000 mL to L
636 L
5,410,000 cm to km
54.1 km

989 mg to g
0.989 g
$73,200,000 \mathrm{mg}$ to kg
73.2 kg
0.0000658 kg to mg
65.8 mg
$943,000 \mathrm{~mm}$ to m
943 m

## Converting Metric Units (E)

Convert each measurement to the unit indicated.
$8,250,000 \mathrm{~mm}$ to m
0.0000000382 km to mm
3.5 cm to mm
$535,000,000 \mathrm{~mm}$ to km
0.0851 km to cm
0.000852 kg to mg

485 mg to g
$1,620 \mathrm{~mm}$ to cm
$95,500,000 \mathrm{~cm}$ to km

598 cm to m
0.00079 m to cm
0.0000747 km to mm
0.000442 kg to mg
5.66 km to m
0.0803 g to mg

440 cm to mm
$39,000,000 \mathrm{mg}$ to kg
0.000887 kg to mg
1.68 mm to cm

6,530,000 mg to g

## Converting Metric Units (E)

Convert each measurement to the unit indicated.
$8,250,000 \mathrm{~mm}$ to m
8,250 m
0.0000000382 km to mm
0.0382 mm
3.5 cm to mm

35 mm

535,000,000 mm to km
535 km
0.0851 km to cm
$8,510 \mathrm{~cm}$
0.000852 kg to mg

852 mg
485 mg to g
0.485 g
$1,620 \mathrm{~mm}$ to cm
162 cm
$95,500,000 \mathrm{~cm}$ to km
955 km
598 cm to m
5.98 m
0.0000747 km to mm
74.7 mm
0.000442 kg to mg

442 mg
5.66 km to m

5,660 m
0.0803 g to mg
80.3 mg

440 cm to mm
$4,400 \mathrm{~mm}$
0.00079 m to cm
0.079 cm

39,000,000 mg to kg
39 kg
0.000887 kg to mg

887 mg
1.68 mm to cm
0.168 cm

6,530,000 mg to g
6,530 g

# Converting Metric Units (F) 

## Convert each measurement to the unit indicated.

776 m to km
$45,000 \mathrm{~mm}$ to m
0.000000296 kg to mg
0.501 mm to cm
0.0000552 m to mm
0.000000175 km to mm
0.0000558 g to mg
$362,000 \mathrm{~cm}$ to km
$11,400 \mathrm{~mm}$ to cm
0.0000242 L to mL
0.501 g to mg

70,100 m to km
21.7 mL to L
$43,200,000 \mathrm{~cm}$ to km
0.0024 L to mL
0.0301 km to m

516 cm to m
$80,700 \mathrm{~m}$ to km
0.000000356 kg to mg
$227,000 \mathrm{mg}$ to kg

## Converting Metric Units (F)

## Convert each measurement to the unit indicated.

| $\begin{aligned} & 776 \mathrm{~m} \text { to } \mathrm{km} \\ & 0.776 \mathrm{~km} \end{aligned}$ | $\begin{aligned} & 0.501 \mathrm{~g} \text { to } \mathrm{mg} \\ & 501 \mathrm{mg} \end{aligned}$ |
| :---: | :---: |
| $45,000 \mathrm{~mm}$ to m | 70,100 m to km |
| 45 m | 70.1 km |
| 0.000000296 kg to mg | 21.7 mL to L |
| 0.296 mg | 0.0217 L |
| 0.501 mm to cm | $43,200,000 \mathrm{~cm}$ to km |
| 0.0501 cm | 432 km |
| 0.0000552 m to mm | 0.0024 L to mL |
| 0.0552 mm | 2.4 mL |
| 0.000000175 km to mm | 0.0301 km to m |
| 0.175 mm | 30.1 m |
| 0.0000558 g to mg | 516 cm to m |
| 0.0558 mg | 5.16 m |
| $362,000 \mathrm{~cm}$ to km | 80,700 m to km |
| 3.62 km | 80.7 km |
| $11,400 \mathrm{~mm}$ to cm | 0.000000356 kg to mg |
| $1,140 \mathrm{~cm}$ | 0.356 mg |
| 0.0000242 L to mL | 227,000 mg to kg |
| 0.0242 mL | 0.227 kg |

## Converting Metric Units (G)

Convert each measurement to the unit indicated.

744,000 m to km
$973,000 \mathrm{mg}$ to g

837,000 mm to km
0.0000567 kg to mg
$598,000,000 \mathrm{~mm}$ to km
0.00815 km to mm
0.00903 cm to mm

590 mm to cm
0.0000642 km to mm
0.00383 g to mg
23.3 cm to m
0.0000294 m to mm
0.000076 m to mm

56,100 mL to L
$48,700 \mathrm{~cm}$ to km
6.49 g to mg
8.64 kg to g
0.00111 kg to g
0.00185 g to mg
0.0000121 m to mm

## Converting Metric Units (G)

Convert each measurement to the unit indicated.
$744,000 \mathrm{~m}$ to km
744 km
$973,000 \mathrm{mg}$ to g
973 g
$837,000 \mathrm{~mm}$ to km
0.837 km
0.0000567 kg to mg
56.7 mg

598,000,000 mm to km 598 km
0.00815 km to mm
$8,150 \mathrm{~mm}$
0.00903 cm to mm
0.0903 mm

590 mm to cm
59 cm
0.0000642 km to mm
64.2 mm
0.00383 g to mg
3.83 mg
23.3 cm to m
0.233 m
0.0000294 m to mm
0.0294 mm
0.000076 m to mm
0.076 mm

56,100 mL to L
56.1 L
$48,700 \mathrm{~cm}$ to km
0.487 km
6.49 g to mg
$6,490 \mathrm{mg}$
8.64 kg to g

8,640 g
0.00111 kg to g
1.11 g
0.00185 g to mg
1.85 mg
0.0000121 m to mm
0.0121 mm

## Converting Metric Units (H)

Convert each measurement to the unit indicated.

656 g to kg
0.411 L to mL
0.00000849 km to mm
0.00137 km to m
$582,000,000 \mathrm{~cm}$ to $\mathrm{km} \quad 0.000444 \mathrm{~m}$ to mm
0.00555 kg to mg
93.2 mL to L
0.074 mm to cm
0.0915 g to mg
0.0000374 kg to g
0.353 m to mm
0.00375 L to mL

## Converting Metric Units (H)

Convert each measurement to the unit indicated.

| $\begin{aligned} & 656 \mathrm{~g} \text { to } \mathrm{kg} \\ & 0.656 \mathrm{~kg} \end{aligned}$ | $912,000 \mathrm{~mm}$ to km 0.912 km |
| :---: | :---: |
| 0.411 L to mL 411 mL | $\begin{aligned} & 719,000 \mathrm{~g} \text { to } \mathrm{kg} \\ & 719 \mathrm{~kg} \end{aligned}$ |
| 0.00000849 km to mm $8.49 \mathrm{~mm}$ | $\begin{aligned} & 995,000 \mathrm{mg} \text { to } \mathrm{kg} \\ & 0.995 \mathrm{~kg} \end{aligned}$ |
| $\begin{aligned} & 0.00137 \mathrm{~km} \text { to } \mathrm{m} \\ & 1.37 \mathrm{~m} \end{aligned}$ | $\begin{aligned} & 81,700 \mathrm{~g} \text { to } \mathrm{kg} \\ & 81.7 \mathrm{~kg} \end{aligned}$ |
| $582,000,000 \mathrm{~cm}$ to km $5,820 \mathrm{~km}$ | 0.000444 m to mm <br> 0.444 mm |
| 0.00555 kg to mg $5,550 \mathrm{mg}$ | $\begin{aligned} & 69.5 \mathrm{~cm} \text { to } \mathrm{m} \\ & 0.695 \mathrm{~m} \end{aligned}$ |
| $\begin{aligned} & 93.2 \mathrm{~mL} \text { to } \mathrm{L} \\ & 0.0932 \mathrm{~L} \end{aligned}$ | $\begin{aligned} & \text { 4,270,000 mL to } \mathrm{L} \\ & 4,270 \mathrm{~L} \end{aligned}$ |
| $\begin{aligned} & 0.074 \mathrm{~mm} \text { to } \mathrm{cm} \\ & 0.0074 \mathrm{~cm} \end{aligned}$ | $\begin{aligned} & 0.0000201 \mathrm{~kg} \text { to } \mathrm{mg} \\ & 20.1 \mathrm{mg} \end{aligned}$ |
| 0.0915 g to mg $91.5 \mathrm{mg}$ | $\begin{aligned} & 0.0000374 \mathrm{~kg} \text { to } \mathrm{g} \\ & 0.0374 \mathrm{~g} \end{aligned}$ |
| 0.353 m to mm 353 mm | 0.00375 L to mL $3.75 \mathrm{~mL}$ |

## Converting Metric Units (I)

## Convert each measurement to the unit indicated.

$2,650,000,000 \mathrm{~mm}$ to km 5,300 mL to L
0.0715 m to mm
0.000008 kg to g
0.0000806 kg to g
84.5 cm to m
99.1 m to km
$48,200 \mathrm{~cm}$ to km
$30,700,000 \mathrm{mg}$ to kg
0.000986 L to mL
0.00000553 km to cm
$35,800 \mathrm{~g}$ to kg
0.0642 m to cm
0.571 mm to cm

392 m to km

## Converting Metric Units (I)

Convert each measurement to the unit indicated.

| 2,650,000,000 mm to km | 5,300 mL to L |
| :---: | :---: |
| 2,650 km | 5.3 L |
| 0.0000927 g to mg | 0.0715 m to mm |
| 0.0927 mg | 71.5 mm |
| 86,600 mL to L | 0.000008 kg to g |
| 86.6 L | 0.008 g |
| $96,000 \mathrm{~cm}$ to m | 0.0000806 kg to g |
| 960 m | 0.0806 g |
| 0.00425 L to mL | 84.5 cm to m |
| 4.25 mL | 0.845 m |

99.1 m to km
0.0991 km
$52,600 \mathrm{~mm}$ to cm
$5,260 \mathrm{~cm}$
$48,200 \mathrm{~cm}$ to km
0.482 km
0.000986 L to mL
0.00000553 km to cm
0.986 mL
0.553 cm
$35,800 \mathrm{~g}$ to kg
0.0642 m to cm
35.8 kg
6.42 cm
0.571 mm to cm
0.0571 cm

392 m to km
0.392 km

## Converting Metric Units (J)

## Convert each measurement to the unit indicated.

0.121 cm to mm
0.0197 km to cm
0.00763 m to cm
633 g to kg
0.00000175 km to mm
0.736 g to mg
580 mm to cm
0.0667 km to cm
0.562 km to m
0.00434 km to m
0.0000225 m to mm
0.00000576 kg to mg
5.69 m to mm
0.000591 km to mm
0.00626 km to cm
0.0735 m to mm
5.32 kg to g
0.00000429 km to cm
0.0000602 km to mm

## Converting Metric Units (J)

Convert each measurement to the unit indicated.

| 0.121 cm to mm | 0.0197 km to cm |
| :---: | :---: |
| 1.21 mm | 1,970 cm |
| $\begin{aligned} & 0.00763 \mathrm{~m} \text { to } \mathrm{cm} \\ & 0.763 \mathrm{~cm} \end{aligned}$ | $\begin{aligned} & 633 \mathrm{~g} \text { to } \mathrm{kg} \\ & 0.633 \mathrm{~kg} \end{aligned}$ |
| 0.00000175 km to mm 1.75 mm | 0.736 g to mg 736 mg |
| 580 mm to cm 58 cm | $\begin{aligned} & 0.0667 \mathrm{~km} \text { to } \mathrm{cm} \\ & 6,670 \mathrm{~cm} \end{aligned}$ |
| 0.562 km to m 562 m | 0.00434 km to m 4.34 m |
| 0.0000225 m to mm 0.0225 mm | 0.00000576 kg to mg 5.76 mg |
| $\begin{aligned} & 5.69 \mathrm{~m} \text { to } \mathrm{mm} \\ & 5,690 \mathrm{~mm} \end{aligned}$ | 0.000591 km to mm 591 mm |
| 0.00626 km to cm 626 cm | $\begin{aligned} & 4.14 \mathrm{~m} \text { to } \mathrm{cm} \\ & 414 \mathrm{~cm} \end{aligned}$ |
| 0.0735 m to mm 73.5 mm | $\begin{aligned} & 5.32 \mathrm{~kg} \text { to } \mathrm{g} \\ & 5,320 \mathrm{~g} \end{aligned}$ |
| $\begin{aligned} & 0.00000429 \mathrm{~km} \text { to } \mathrm{cm} \\ & 0.429 \mathrm{~cm} \end{aligned}$ | 0.0000602 km to mm 60.2 mm |

