How Can You Find a Double-Decker Bus?

For each exercise, circle the letter of the more reasonable measure. Write this letter in the box containing the number of the exercise.

The chart gives an approximate size for each of the most commonly used metric units of length.

Unit	Approximate Size
1 millimeter (mm)	thickness of a dime
1 centimeter (cm)	width of your smallest finger
1 meter (m)	length of a baseball bat
1 kilometer (km)	length of 10 football fields

(1) length of an ant

R 5 mm M 5 cm

(2) length of a new pencil

A 19 mm O 19 cm

(3) height of a basketball hoop

U 30 m H 3 m

(4) distance walked in 1 hour

K 5 km B 50 m

(5) diameter of a quarter

G 24 cm O 24 mm

(6) length of a paper clip

E 3 cm S 30 cm

(7) length of a tennis court

L 24 m D 24 km

(8) distance driven on a freeway in 1 hour

U 85 km A 850 m

(9) thickness of a nickel

E 20 mm O 2 mm

(10) height of a dining table

K 75 mm S 75 cm

(11) length of an automobile

T 5 m S 50 m

(12) length of a marathon race

T 400 m F 40 km

(13) width of a dollar bill

N 66 cm P 66 mm

(14) length of a sheet of typing paper

O 28 cm R 28 mm

(15) height of a door

M 20 cm B 2 m

(16) distance from New York to Los Angeles

D 450 km T 4,500 km

7	2	14	4		12	9	1		11	3	6		15	8	10		16	5	13

Why Are Scales Like Roadmaps?

Do each exercise and find your answer in the set of answers to the right, Write the letter of the answer in the box containing the number of the exercise. If the answer has a ●, shade in the box instead of writing a letter in it.

I. Answer each question.

(1) How many mm are in 1 cm? _____

(2) How many cm are in 1 m? _____

(3) How many m are in 1 km? _____

Answers 1 – 3:

(T)	10	(H)	100
(E)	1,000	(R)	10,000

II. Complete each statement. You are changing each measure to a smaller unit.

(4) 2.75 m = _____ cm

(5) 8.3 m = _____ cm

(6) 41.9 cm = _____ mm

(7) 6.25 cm = _____ mm

(8) 1.875 km = _____ m

(9) 27.5 km = _____ m

(10) 0.4 m = _____ cm

(11) 3.666 m = _____ dm

Answers 4 – 11:

(U)	3,666	(S)	27,500
(R)	6,250	(E)	830
●	419	(K)	2.75
(T)	40	(G)	1,875
(W)	275	(D)	41,900
(L)	18.75	(H)	62.5
●	36.66	(C)	4,000

III. Complete each statement. You are changing each measure to a larger unit.

(12) 12.5 mm = _____ cm

(13) 94 mm = _____ cm

(14) 375 m = _____ km

(15) 88 m = _____ km

(16) 643 cm = _____ m

(17) 2.5 cm = _____ m

(18) 250 mm = _____ dm

(19) 5,000 m = _____ km

Answers 12 – 19:

(H)	0.375	(R)	0.094
(Q)	0.25	(W)	5
(P)	500	(O)	1.25
●	6.43	(E)	0.088
(H)	2.5	●	37.5
(Y)	9.4	(U)	0.0643
(A)	8.8	(I)	0.025

10	2	5	13	16	9	18	12	4	6	1	7	15	11	19	3	17	8	14