

Units of Distance

1 For each pair of units listed below, circle the longer one:

inch or foot
yard or meter
meter or foot
mile or kilometer

2 For each pair of units listed below, circle the shorter one:

centimeter or inch
yard or foot
millimeter or centimeter
millimeter or inch

3 Fill in the blanks.

1 inch is about 2.5 centimeters
10 miles is about 16 kilometers

4 Fill in the blanks.

1 foot is exactly 12 inches
1 yard is exactly 3 feet

5 Circle the metric unit that would be the best choice for measuring the diameter of a basketball?

meters millimeters
kilometers centimeters

6 Circle the traditional unit that would be the best choice for measuring the length of a skateboard?

feet inches
miles yards
(feet also a good choice)

7 Circle the metric unit that would be the best choice for measuring the length of a swimming pool?

meters millimeters
kilometers centimeters

8 Circle the traditional unit that would be the best choice for measuring the length of the California coastline?

feet inches
miles yards

9 If you drove 40 miles to get to the beach, estimate how many kilometers you went.

remember: 10 mi ~ 16 km
you went 4 times the distance of 10 miles, so you went 4 x 16 km

$$\begin{array}{r} 16 \\ \times 4 \\ \hline 64 \end{array}$$

~ 64 km

10 If your cat is 1.5 feet long from head to tail, estimate how many centimeters long he is.

remember: 1 ft ~ 30 cm
So your cat is 30 cm PLUS half of that.
half of 30 = 15,
Your cat's length is about 30 + 15 = 45

~ 45 cm