



# Metric Units of Length

CA Standard  
KEY NS 3.2

Solve each problem.

1. What is the most reasonable metric unit to use for measuring the thickness of a DVD?

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## Metric Units of Length

1 centimeter (cm) = 10 millimeters (mm)

1 decimeter (dm) = 10 centimeters

1 meter (m) = 10 decimeters

1 kilometer (km) = 1,000 meters

2. What is the most reasonable metric unit to use for measuring the length of a swimming pool?

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3. Eric ran a 5 kilometer race. How many meters did he run? Write a mathematical sentence that explains your answer.

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4. Ali is jogging around an exercise track in the park. The track is 200 meters long. How many times will she have to go around the track in order to jog 1 kilometer? Explain your answer.

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5. Cara wants to make a stack of encyclopedias that will be 1 meter high. Each book is 5 centimeters wide. How many books will she need? Explain your answer.

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6. May Alice rode her bike 3 kilometers. Darren rode his bike 4,000 meters. Gary rode his bike 10,000 decimeters. Who rode the longest distance?

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