

Length Word Problems

Name: _____ Class: _____

Solve the following word problems. Show number sentence and your workings.

1. Every day I swim 0.3 kilometers in the pool.
How many meters will I swim in 3 weeks?



2. A book is 300 millimeters long. A pencil is 2 times shorter than that.
How long is the pencil in centimeters?

3. A 350 centimeter pvc pipe was cut in 5 equal pieces.
What was the length of each piece in meters?



4. This week I walked 22.4 km with the dog. I walked the same distance every day.
How far did the dog and I walk each day?

5. The total length of 4 similar pencils is 0.6 meters.
What is the length of 1 pencil in centimeters?



6. A layer cake is made up of 12 layers. Each layer is 5 millimeters high.
How high is the cake in centimeters?

Answers

Solve the following word problems. Show number sentence and your workings.

1. Every day I swim 0.3 kilometers in the pool.
How many meters will I swim in 3 weeks?

$$3 \times 7 \times 0.3 = 6.3 \text{ kilometers} = 6,300 \text{ meters}$$



2. A book is 300 millimeters long. A pencil is 2 times shorter than that.
How long is the pencil in centimeters?

$$300 \div 2 = 150 \text{ millimeters} = 15 \text{ centimeters}$$



3. A 350 centimeter pvc pipe was cut in 5 equal pieces.
What was the length of each piece in meters?

$$350 \div 5 = 70 \text{ centimeters} = 0.7 \text{ meter}$$

4. This week I walked 22.4 km with the dog. I walked the same distance every day.
How far did the dog and I walk each day?

$$22.4 \div 7 = 3.2 \text{ kilometers}$$

5. The total length of 4 similar pencils is 0.6 meters.
What is the length of 1 pencil in centimeters?

$$0.6 \div 4 = 0.15 \text{ meters} = 15 \text{ centimeters}$$



6. A layer cake is made up of 12 layers. Each layer is 5 millimeters high.
How high is the cake in centimeters?

$$12 \times 5 = 60 \text{ millimeters} = 6 \text{ centimeters}$$