

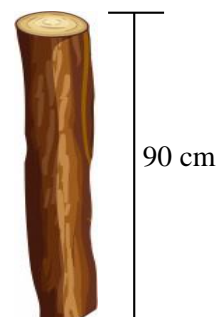
## 5.MD.A.1 Measuring Length

5.MD.A.1 Convert among different-sized standard measurement units within a given measurement system

1. Use the image on your right. Fill in the missing information.

- What is the length of log in meters?
- The length of the log in mm is
- How many 8 cm pieces can be cut from this log?
- How many cm of log will be left over?



2. Convert the length of 6.374 cm into meters.

Solution:

3. Justine is 5 ft. 7 inches tall. How tall is he in inches?

Solution:

4. Complete the following tables.

Inches		1.2		156		
Feet	12		0.9		0.6	14

Yard		15		0.24		12
Feet	6		27		7.5	

Miles		0.5		0.0005		7.5
Yards	1.76		4,400		11,264	

5. If you cut 80 cm from a string that is 1 m long, how long is the left over string?

Solution:

6. If an 800 cm long stick is divided into 4 equal parts. Find the length of each piece in meters.

Solution:

7. A 24 meters long string is bent to form a square. What is the length of each side of the square in centimeters?

Solution:

# 5.MD.A.1 Measuring Length

## Answer Key

5.MD.A.1 Convert among different-sized standard measurement units within a given measurement system

1. Use the image on your right. Fill in the missing information.

a. What is the length of log in meters?

0.9 m

b. The length of the log in mm is

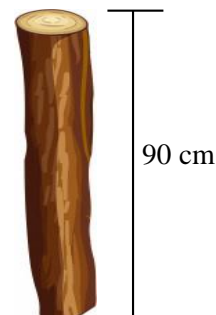
900 mm

c. How many 8 cm pieces can be cut from this log?

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d. How many cm of log will be left over?

2 cm



2. Convert the length of 6.374 cm into meters.

Solution: **0.06374 m**

3. Justine is 5 ft. 7 inches tall. How tall is he in inches?

Solution: **67 inches**

4. Complete the following tables.

Inches	<b>144</b>	1.2	<b>10.8</b>	156	<b>7.2</b>	<b>168</b>
Feet	12	<b>0.1</b>	0.9	<b>13</b>	0.6	14

Yard	<b>2</b>	15	<b>9</b>	0.24	<b>2.5</b>	12
Feet	6	<b>45</b>	27	<b>0.72</b>	7.5	<b>36</b>

Miles	<b>0.001</b>	0.5	<b>2.5</b>	0.0005	<b>6.4</b>	7.5
Yards	1.76	<b>880</b>	4,400	<b>0.88</b>	11,264	<b>13,200</b>

5. If you cut 80 cm from a string that is 1 m long, how long is the left over string?

Solution: **20 cm**

6. If an 800 cm long stick is divided into 4 equal parts. Find the length of each piece in meters.

Solution: **2 m**

7. A 24 meters long string is bent to form a square. What is the length of each side of the square in centimeters?

Solution: **600 cm**