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5.MD.A.1 Length Conversion

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

1. Use units of length and conversions to solve the following problems.
   a. How many feet are in 180 inches?
   b. How many meters are in 2 kilometers?
   c. How many feet are in 27 yards?
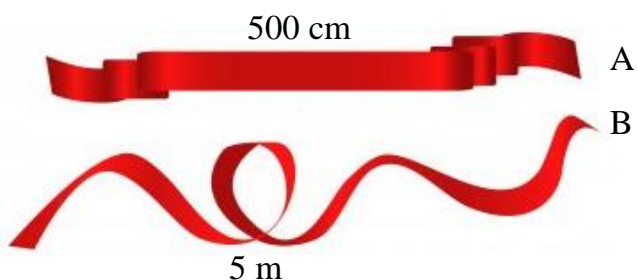   d. Jordan is 68 inches tall. His friend, Bob is 5 feet tall. Who is taller?

Solution:
a.
b.
c.
d.

2. Complete the following tables.

Inches		24		84		144
Feet	1		5		9	

Yard		3		8		24
Feet	3		12		45	

Miles		1		3		6
Yards	1,760		3,520		7,040	

3. Which ribbon is longer in the following image? A or B?

500 cm

A

B

5 m

Solution:

4. The river shown in the image below is 4 kilometers long. Find the length of the river in meters.

Solution:

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1. Use units of length and conversions to solve the following problems.
   a. How many feet are in 180 inches?
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   c. How many feet are in 27 yards?
   d. Jordan is 68 inches tall. His friend, Bob is 5 feet tall. Who is taller?

Solution:
a. 15 feet
b. 2,000 meters
c. 81 feet
d. Jordan

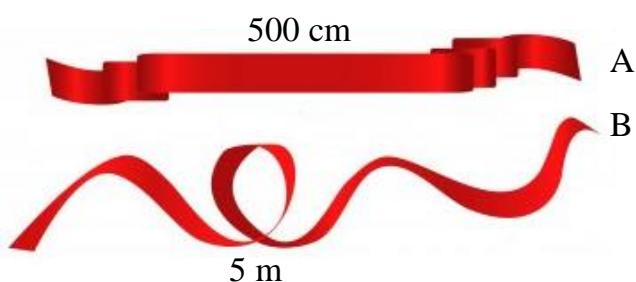2. Complete the following tables.

Inches	12	24	60	84	108	144
Feet	1	2	5	7	9	12

Yard	1	3	4	8	15	24
Feet	3	9	12	24	45	72

Miles	1	1	2	3	4	6
Yards	1,760	1,760	3,520	5,280	7,040	10,560

3. Which ribbon is longer in the following image? A or B?

500 cm

A

B

5 m

Solution:

Both ribbons are of the same length

4. The river shown in the image below is 4 kilometers long. Find the length of the river in meters.

Solution:

4,000 meters