

How to Read a Ruler and Tape Measure

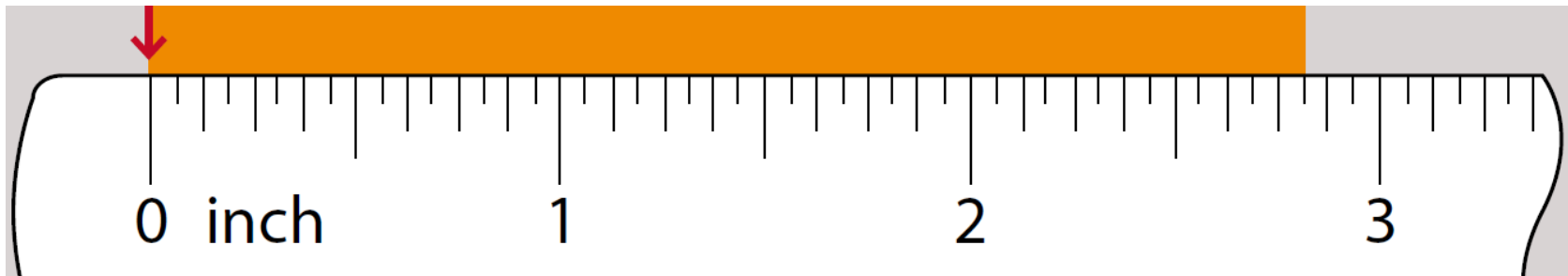
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Standard Units of Measurement

- Rulers and tape measures usually measure in inches and/or centimeters
- A standard ruler is 12 inches, whereas a standard tape measure is 25 feet

Steps to Using a Ruler or Tape Measure

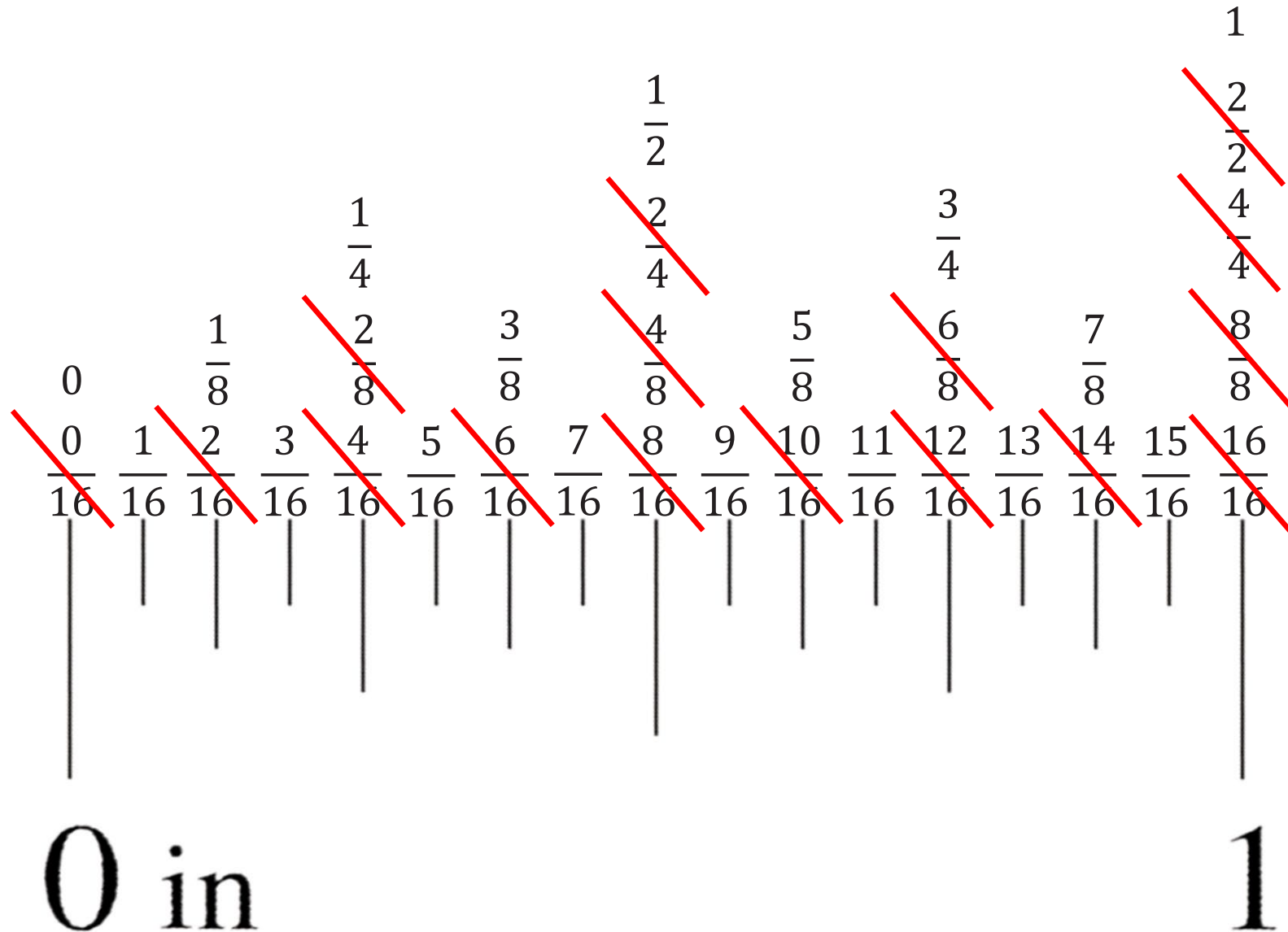
- Place the zero hash mark of the ruler or tape measure at one end of the object you intend to measure



- Make sure the ruler or tape measure is aligned squarely with the object
- Note or mark the hash mark on the ruler or tape measure where the object ends
- The measurement is the length of the object

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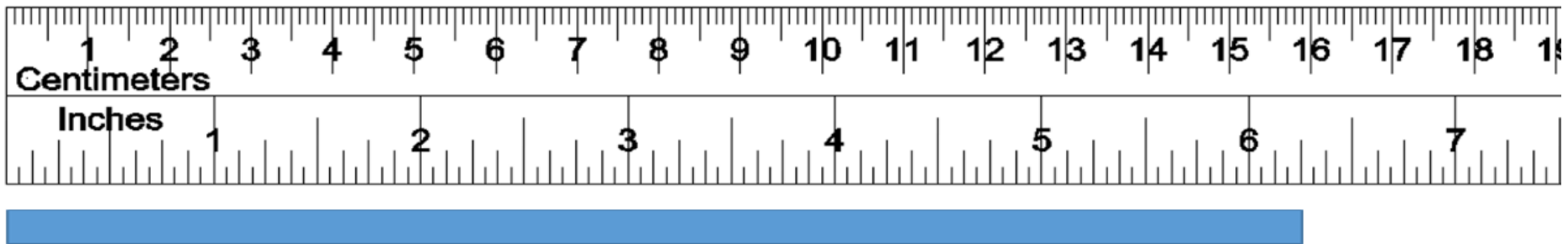
What's in an Inch?



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Example

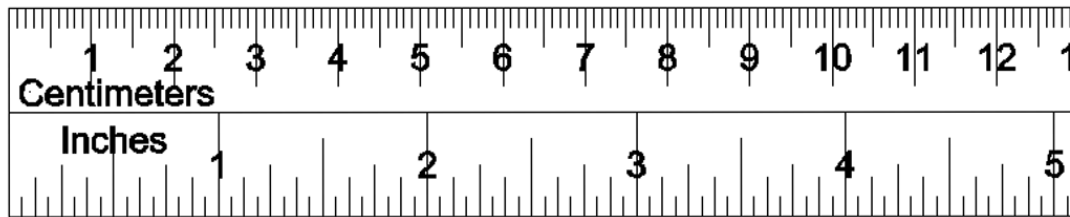
How long is the rectangle below?



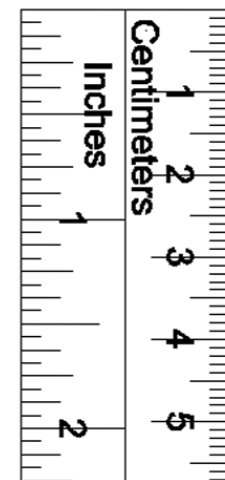
$6\frac{1}{4}$ inches

Practice

What are the dimensions of the rectangle below?

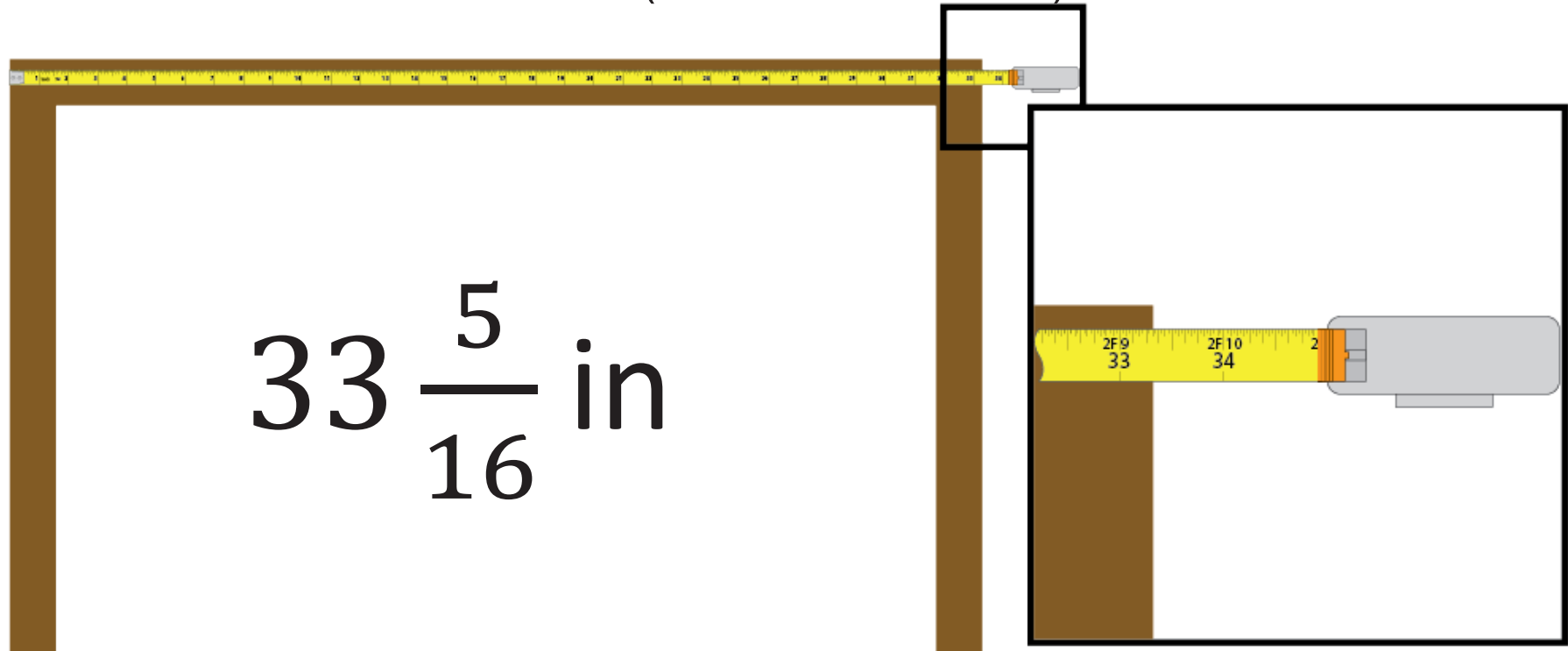


$$2\frac{1}{8} \text{ in} \times 3\frac{3}{4} \text{ in}$$



Application

A carpenter is measuring a door frame. What is the width of the door shown below? (Not drawn to scale.)



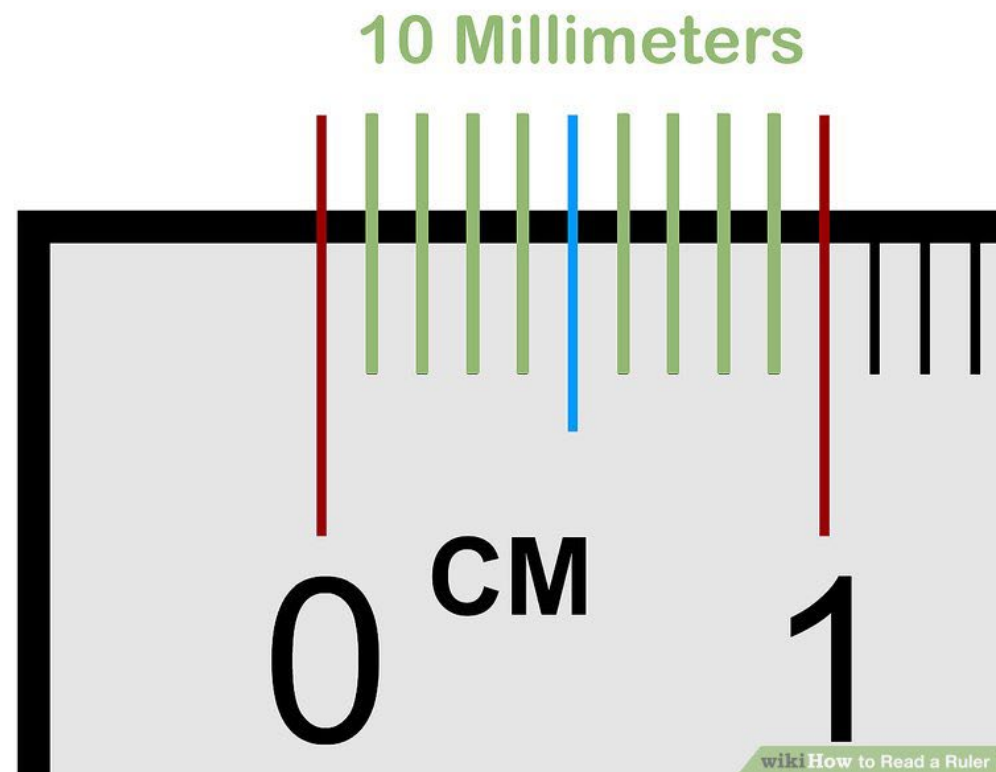
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Reading a Metric Ruler

- A metric ruler contains centimeters and millimeters
- Each centimeter is broken down into ten sections or millimeters
- A standard metric ruler measures 30 cm

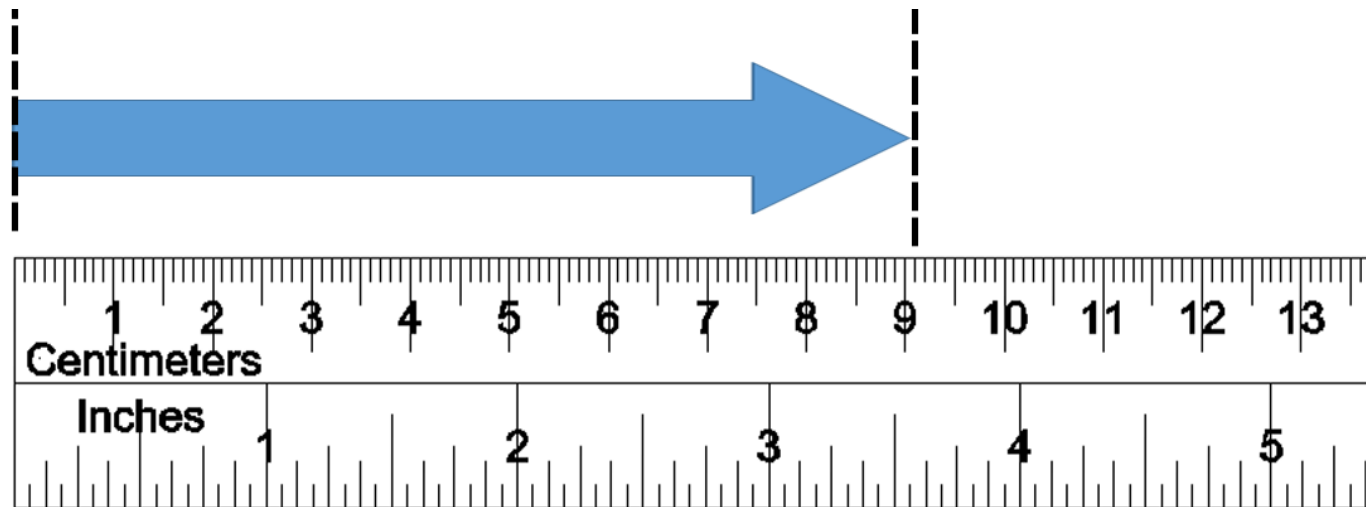
What's in a Centimeter?

- 1cm
- 0.5cm
- 10 Lines per centimeter



Example

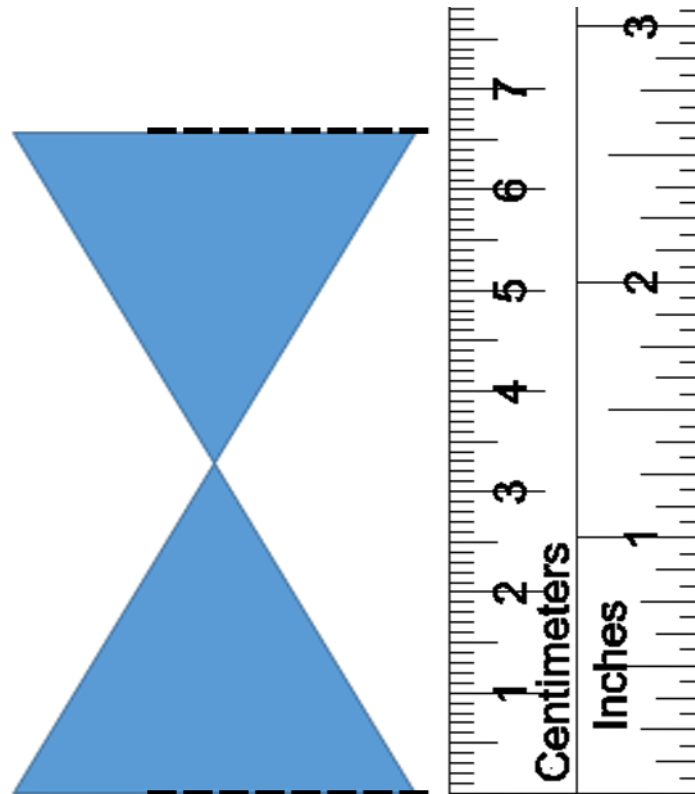
What is the length of the arrow shown below?



9.1 cm

Practice

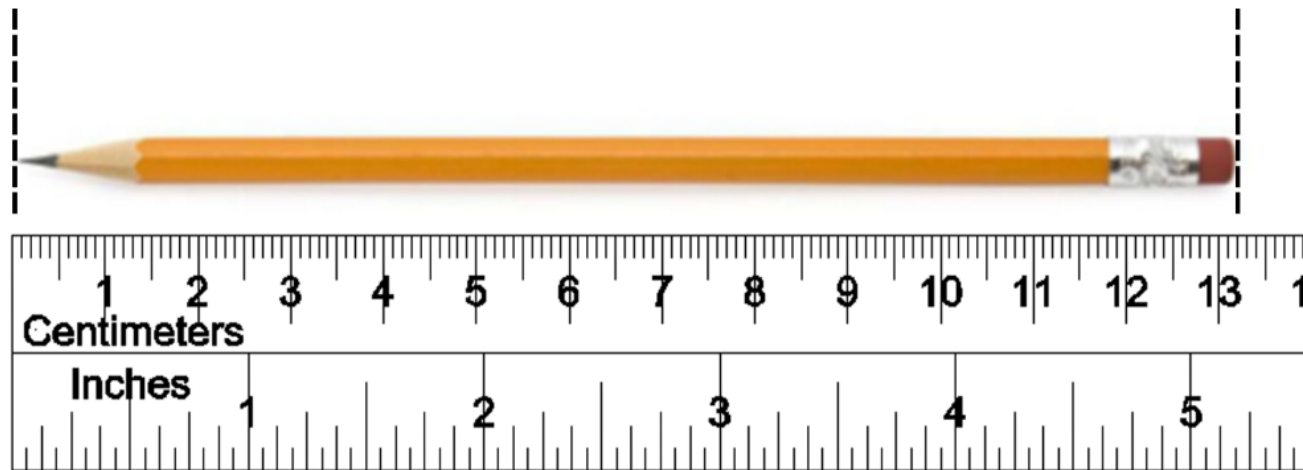
What is the height of the hourglass below?



6.6 cm

Application

Steve is creating a 3D-printed version of his pencil. In order to recreate the pencil, he needs to enter the length of his pencil into the computer program. What is the length of Steve's pencil?



13.2 cm

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For more information, please contact Realityworks, Inc.
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or call toll free at 800.830.1416



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