Spider Dial Assembly Instructions

1. Print off the Spider Dial closest to your latitude. Reproduce it in sufficient quantities so each student will have their own dial.
2. Find an old cereal box, cut out one side.
3. Use a glue stick and cover the unprinted sided of the cereal box with glue.
4. Lay the Spider Dial print on top of the glued surface. Use the side of a pen or pencil to smooth out. Make sure that all of the dial glues to the cereal box.

5. When the glue is dry, carefully cut out the dial on the solid lines. Do not cut any dotted lines.
6. Use a ruler and the tip of the scissors to score all dotted lines for folding.
7. Punch holes at the circles that say "gnomon." In a later step elastic thread will go through these holes.
8. Fold the dial upright, and fold tabs inward.
9. Glue the tabs UNDER the face of the dial where it says "Glue tabs here." This makes the dial stronger.
10. If you like, add "feet" to the bottom of the dial. I've used tile separators but plastic stick-on tabs work well too.

11. Thread elastic string through the punched holes. I've tied the string to toothpicks. Once in place, you can also use a small drop of super glue in the hole to cement the string firmly in place.
1. Place dial on level ground. Arrow at the top of the dial points North.
2. Read the time where the shadow intersects the date ring of the current month. To get the time, estimate how far the shadow is between the hour and half-hour curves.
3. Standard Time is in BLUE, Daylight Savings Time is in RED.
4. You will need your longitude correction. Example: Dial is at 77W longitude just outside Washington DC. Eastern Time zone is at 75W. Therefore the dial is 2° W of the meridian. Multiply by 4 to get minutes of time, so the dial is 8 minutes W of the meridian. If East, add the time, if West, subtract.
5. Example: The Dial show almost exactly 2pm Daylight Time for mid September. At 8 minutes W of the meridian, clock time is 1:52 pm
HOW TO ASSEMBLE THE DIAL

- Cutout sundial for your latitude
- Use Glue Stick and glue dial to Cereal Box cardboard - let dry
- Fold dial upright and Glue tabs to base - let dry
- Punch holes in top and bottom gnomon circles = be careful
- Lace elastic string through the bottom gnomon circle.
- Tie a lump knot on bottom side to hold elastic string in place
- Lace elastic string through the upper gnomon circle.
- Snug thread and tie second knot. Don't stretch too much.

HOW TO USE DIAL

- Turn dial until Arrow points NORTH
- Read string shadow on ring of current month (Jan, Feb ...)
- Standard Time (blue)
- Daylight Time (red)
- North American Sundial Society
  www.sundials.org
  Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL 15 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic string through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow on ring of current month (Jan, Feb...)
Standard Time (blue)
Daylight Time (red)
North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL 16 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)

Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
17 N
Read the shadow at the date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
top gnomon circle.
Lace a lump knot on bottom side
to hold elastic string in place
Pull elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
18 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (jan, feb …)
Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg
How to assemble the dial:

Cut out sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic string through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

How to use dial:

Turn dial until
Arrow points NORTH
Read string shadow on ring of current month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)

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.gms

Spider Sundial
20 N
Read the shadow at the date
Daylight Savings Time in red
Standard Time in blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (jan, feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Ogleby/R.L Kellogg

SPIDER SUNDIAL
21 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

- Cutout sundial for your latitude
- Use Glue Stick and glue dial to Cereal Box cardboard - let dry
- Fold dial upright and
- Glue tabs to base - let dry
- Punch holes in top and bottom gnomon circles = be careful
- Lace elastic sting through the bottom gnomon circle.
- Tie a lump knot on bottom side to hold elastic string in place
- Lace elastic string through the upper gnomon circle.
- Snug thread and tie second knot. Don’t stretch too much.

HOW TO USE DIAL

- Turn dial until Arrow points NORTH
- Read string shadow on ring of current month (Jan, Feb...)
- Standard Time (blue)
- Daylight Time (red)
- North American Sundial Society
  www.sundials.org
  Mac Oglesby/R.L. Kellogg

SPIDER SUN Dial

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

- Cut out sundial for your latitude
- Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
- Fold dial upright and
- Glue tabs to base - let dry
- Punch holes in top and bottom
gnomon circles = be careful
- Lace elastic string through the
  bottom gnomon circle.
- Tie a lump knot on bottom side
to hold elastic string in place
- Lace elastic string through the
  upper gnomon circle.
- Snug thread and tie second knot.
  Don’t stretch too much.

HOW TO USE DIAL

- Turn dial until
- Arrow points NORTH
- Read string shadow
  on ring of current
  month (Jan, Feb ...)
- Standard Time (blue)
- Daylight Time (red)
- North American Sundial
  Society
  www.sundials.org
  Mac Oglesby/R.L. Kellogg

SPIDER SUN Dial
23° N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

- Cutout sundial for your latitude
- Use Glue Stick and glue dial to Cereal Box cardboard - let dry
- Fold dial upright and
- Glue tabs to base - let dry
- Punch holes in top and bottom gnomon circles - be careful
- Lace elastic string through the bottom gnomon circle.
- Tie a lump knot on bottom side to hold elastic string in place
- Lace elastic string through the upper gnomon circle.
- Snug thread and tie second knot. Don't stretch too much.

HOW TO USE DIAL

- Turn dial until Arrow points NORTH
- Read string shadow on ring of current month (Jan, Feb ...)
- Standard Time (blue)
- Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
24 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb, ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
25 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic string through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow on ring of current month (Jan, Feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
26 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic sting through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic sting in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot. Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow on ring of current month (Jan, Feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
27 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL
Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic sting through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (jan, feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial Society
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SPIDER SUNDIAL
28 N
gnomon
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

- Cutout sundial for your latitude
- Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
- Fold dial upright and
- Glue tabs to base - let dry
- Punch holes in top and bottom
gnomon circles = be careful
- Lace elastic string through the
bottom gnomon circle.
- Tie a lump knot on bottom side
to hold elastic string in place
- Lace elastic string through the
upper gnomon circle.
- Snug thread and tie second knot.
- Don’t stretch too much.

HOW TO USE DIAL

- Turn dial until
- Arrow points NORTH
- Read string shadow
on ring of current
month (Jan, Feb ...)
- Standard Time (blue)
- Daylight Time (red)

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SPIDER SUNDIAL
29° N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue

Glue Tab Here

FOLD

NORTH

FOLD

TAB

TAB

Glue Tab Here
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
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Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
30 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb…)
Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
31 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
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Mac Ogleby/R.I. Kellogg
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic sting through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (jan, feb ...)
Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
33 N
gnomon
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL
Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)
Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
34 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)

Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUN Dial
35 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial Society
www.sundials.org
Mac Oglesby/R. L. Kellogg

SPIDER SUNDIAL
36° N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)
Standard Time (Blue)
Daylight Time (Red)
North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
37 N
gnomon
Read the shadow at the date
Daylight Savings Time In Red
Standard Time In Blue
HOW TO ASSEMBLE THE DIAL
Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
38 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

- Cutout sundial for your latitude
- Use Glue Stick and glue dial to Cereal Box cardboard - let dry
- Fold dial upright and
- Glue tabs to base - let dry
- Punch holes in top and bottom gnomon circles = be careful
- Lace elastic string through the bottom gnomon circle.
- Tie a lump knot on bottom side to hold elastic string in place
- Lace elastic string through the upper gnomon circle.
- Snug thread and tie second knot. Don’t stretch too much.

HOW TO USE DIAL

- Turn dial until Arrow points NORTH
- Read string shadow on ring of current month (Jan, Feb ...)
- Standard Time (blue)
- Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
39 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic string through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow on ring of current month (jan, feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
40 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
41 N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
42 N
gnomon
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic sting through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)

Standard Time (Blue)
Daylight Time (Red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic sting through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (jan, feb ...)
Standard Time (blue)
Daylight Time (red)

North American Sundial Society
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HOW TO ASSEMBLE THE DIAL

Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
45° N

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg
HOW TO ASSEMBLE THE DIAL
Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
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gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Ogleby/R.L Kellogg

SPIDER SUNDIAL
47° N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL
Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Oglesby/R.L. Kellogg

SPIDER SUNDIAL
48° N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb, ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial Society
www.sundials.org
Mac Oglesby/R.L. Kellogg
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic string through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot. Don't stretch too much.

HOW TO USE DIAL

Turn dial until Arrow points NORTH
Read string shadow on ring of current month (Jan, Feb...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Ogleby/R.L. Kellogg
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic string through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot. Don’t stretch too much.

HOW TO USE DIAL

Turn dial until Arrow points NORTH
Read string shadow on ring of current month (jan, feb, ...

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Ogleby/R.L. Kellogg

SPIDER SUNDIAL 51 N
Read the Shadow at the Date Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL
Cut out sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom
gnomon circles = be careful
Lace elastic string through the
bottom gnomon circle.
Tie a lump knot on bottom side
to hold elastic string in place
Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Oglesby/R. L. Kellogg

SPIDER SUNDIAL
52 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL

Cutout sundial for your latitude
Use Glue Stick and glue dial to Cereal Box cardboard - let dry
Fold dial upright and
Glue tabs to base - let dry
Punch holes in top and bottom gnomon circles = be careful
Lace elastic sting through the bottom gnomon circle.
Tie a lump knot on bottom side to hold elastic string in place
Lace elastic string through the upper gnomon circle.
Snug thread and tie second knot. Don't stretch too much.

HOW TO USE DIAL

Turn dial until
Arrow points NORTH
Read string shadow on ring of current month (jan, feb ...)

Standard Time (blue)
Daylight Time (red)

North American Sundial Society
www.sundials.org
Mac Ogleby/R.L. Kellogg

SPIDER SUN Dial

Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue
HOW TO ASSEMBLE THE DIAL
Cutout sundial for your latitude
Use Glue Stick and glue dial
to Cereal Box cardboard - let dry
Fold dial upright and
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Lace elastic string through the
upper gnomon circle.
Snug thread and tie second knot.
Don’t stretch too much.

HOW TO USE DIAL
Turn dial until
Arrow points NORTH
Read string shadow
on ring of current
month (Jan, Feb ...)
Standard Time (blue)
Daylight Time (red)
North American Sundial
Society
www.sundials.org
Mac Ogleby/R.L. Kellogg

SPIDER SUNDIAL
54 N
Read the Shadow at the Date
Daylight Savings Time in Red
Standard Time in Blue