



# KINDERGARTEN SUPPLEMENT

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## Set D8 Measurement: Measuring Tools Calendar Pattern

### Includes

April Calendar Pattern

D8.1

### Skills & Concepts

- ★ identify the appropriate instruments used to measure time, weight, temperature, and length
- ★ describe and extend simple repeating patterns
- ★ read aloud numerals from 0 to 31
- ★ identify ordinal positions through the 31st

**Bridges in Mathematics Kindergarten Supplement**

**Set D8** Measurement: Measuring Tools Calendar Pattern

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*Bridges in Mathematics* is a standards-based K–5 curriculum that provides a unique blend of concept development and skills practice in the context of problem solving. It incorporates the Number Corner, a collection of daily skill-building activities for students.

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# Set D8 ★ April Calendar Pattern



## CALENDAR GRID

### Measuring Tools

#### Overview

This set of Calendar Grid markers replaces the student-made markers in the month of April, and provides opportunities for kindergartners to identify some of the tools commonly used to measure time, weight, temperature, and length.

#### Skills & Concepts

- ★ identify the appropriate instruments used to measure time, weight, temperature, and length
- ★ describe and extend simple repeating patterns
- ★ read aloud numerals from 0 to 31
- ★ identify ordinal positions through the 31st

#### You'll need

- ★ Calendar Grid pocket chart
- ★ Month and Year Calendar Grid cards
- ★ April Measuring Tools Calendar Markers (available at <http://gotomlc.org/calmarkers>) Print 1 copy of the calendar marker sheets, preferably in color, single-sided, on white cardstock. Cut the calendar markers apart and laminate if desired.
- ★ Mini-Markers (pages D8.6–D8.11, see Advance Preparation)
- ★ 4 pieces of 18" × 24" chart paper (see Advance Preparation)
- ★ glue stick and marking pens
- ★ helper jar containing a popsicle stick for each child with his/her name on it
- ★ measuring tools (optional, see Extensions on page D8.4)
- ★ books about measurement to read aloud (optional, see Extensions on page D8.4)

**Advance Preparation** Run 1 copy of the Mini-Markers sheets on copy paper. Cut the mini-markers apart, stack them in order from 1–31, and store them near your calendar display in an envelope or small resealable bag. Label the 4 sheets of chart paper as shown below.

Time	Weight
Temperature	Length

## April Calendar Pattern (cont.)

### Introducing the Measuring Tools Calendar Grid Pattern

Open your first Number Corner lesson in April by directing students' attention to the calendar grid. Explain that as in previous months, you will put up a new calendar marker as each day of the month passes. Place the first marker in the correct pocket, and ask children to pair-share observations. What do they notice about this marker? After a few moments, pull popsicle sticks from your helper jar to call on children to share their observations with the class. Guide them to discuss the fact that people use watches to tell time.

**Students** *It's a watch!*

*My dad has one like that.*

*You can wear it.*

*It has numbers on it, like 1, 2, 3, 4.*

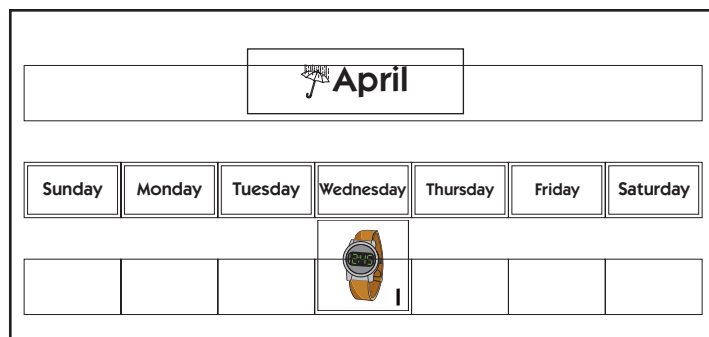
**Teacher** *Why do people wear watches?*

**Student** *To tell time.*

*So they can know what time it is.*

Post the chart you have prepared with the word "Time" written at the top. Read the word with the class, and explain that the calendar markers this month will show pictures of measuring tools. Some of the tools, like the watch shown on today's marker, are used to measure time.

Show students the collection of mini-markers you have prepared. Glue the first one to the Time chart, and work with input from the children to label it. Then ask students to look around the room. Do they see any other tools in the classroom that can be used to measure time.



**Students** *The clock over there!*

*My brother has a watch.*









*What about our play clock in the corner?*

*Teacher has a watch on so she can tell what time it is.*

### Continuing through April with the Calendar Grid

Each day throughout the month, display the new marker. Have children describe the tool shown on the marker, identify it by name, and discuss how it is used. Reinforce the words and concepts of time, weight, temperature, and length by gluing a mini-marker to the appropriate chart each day and labeling the tool shown on the marker.

April Calendar Pattern (cont.)


April						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			 1	 2	 3	 4
 5	 6	 7	 8			


Time

 1 wristwatch


 5 analog clock


Weight

 2 balance scale


 6 kitchen scale


Temperature

 3 thermometer

 thermometer

Length

 4 ruler

 8 tape measure

Here are some questions and prompts to use through the month:

- Let's say the name of each tool as our helper points to the markers.
- Let's tell what each tool is used to measure as our helper points to the markers.
- Which kind of measuring tool do you think will come next in our pattern? Why?
- Which tool do you see on the 4th marker? (The 10th marker? The 16th marker?)
- Which markers so far show tools that are used to measure length (time, weight, temperature)? What marker will be the next one to show a tool that measures length (time, weight, temperature)? How do you know?
- Can you find tools around our room we could use to measure length (time, weight, temperature)?

Toward the end of the month, ask students to share observations about the collections of mini-markers you have glued to each of the charts. You might have them examine and discuss one of the charts every 2 or 3 days during the last two weeks of the month.

**Teacher** *Let's look at all the mini-markers we've glued to the time chart so far. What do you notice? Talk with the person next to you for a minute, and then I'll pull some sticks out of our helper jar to choose children to share their ideas with the class.*

**Students** *There are watches and clocks.*

*What's that book thing?*


*That's a planner book. You can write stuff for each day.*


*Everything on there can help you measure time.*


*Some of the things measure minutes and hours, but the calendars have days on them.*


*They all have numbers.*


Time


 1 wristwatch


 5 analog clock


 9 week planner

 13 digital clock

 17 cuckoo clock

 21 calendar

 25 digital clock

 29 mantle clock

## April Calendar Pattern (cont.)





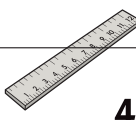

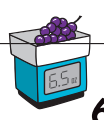









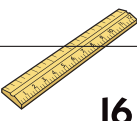


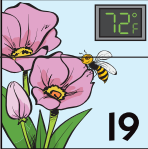



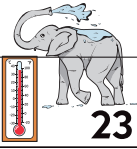
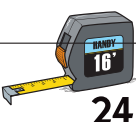



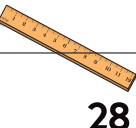



## Extensions

- Bring in and display examples of tools that can be used to measure time, weight, temperature, and length (e.g., a digital clock, a small analog clock, a medical or scientific thermometer, a round outdoor thermometer, a digital thermometer, a kitchen scale, a bathroom scale, a cloth measuring tape, a carpenter's tape measure, and so on). Ask families to send in items to add to the collection.
- Set up a measuring station where children can use some of the tools to measure length or weight.
- Place an outdoor thermometer outside your classroom window, and encourage interested students to read the temperature each day.
- Read books about measuring during the month. Some possibilities include *Length* and *Weight*, both by Henry Arthur Pluckrose, *How Long is It* by Donna Loughran, *Millions to Measure* by David Schwartz, and *How Big is a Foot* by Rolf Myller.

MEASURING TOOLS FEATURED ON THE CALENDAR MARKERS			
Time	Weight	Temperature	Length
Marker 1 Digital wristwatch	Marker 2 Balance scale	Marker 3 Thermometer (cold)	Marker 4 12-inch ruler
Marker 5 Analog clock	Marker 6 Kitchen scale	Marker 7 Thermometer (warm)	Marker 8 Measuring tape
Marker 9 Weekly desk calendar	Marker 10 Bathroom scale	Marker 11 Thermometer (hot)	Marker 12 Measuring tape
Marker 13 Digital alarm clock	Marker 14 Hanging produce scale	Marker 15 Thermometer (cold)	Marker 16 12-inch ruler
Marker 17 Analog Cuckoo clock	Marker 18 Doctor's scale	Marker 19 Thermometer (warm)	Marker 20 Measuring tape
Marker 21 Month calendar	Marker 22 Pan balance	Marker 23 Thermometer (hot)	Marker 24 Measuring tape
Marker 25 Digital outdoor clock	Marker 26 Pediatrician's scale	Marker 27 Thermometer (cold)	Marker 28 12-inch ruler
Marker 29 Analog mantle clock	Marker 30 Truck scale	Marker 31 Thermometer (warm)	

April Calendar Pattern (cont.)

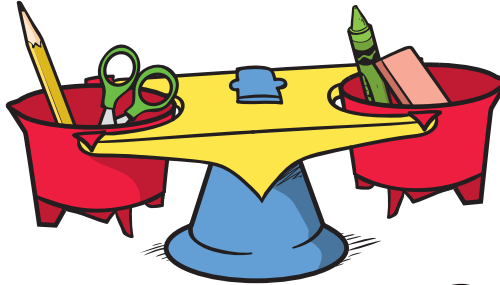
**NOTE** Below is a representation of the April calendar grid. The full-size calendar markers are available at <http://gotomlc.org/calmarkers>.

						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			 1	 2	 3	 4
 5	 6	 7	 8	 9	 10	 11
 12	 13	 14	 15	 16	 17	 18
 19	 20	 21	 22	 23	 24	 25
 26	 27	 28	 29	 30	 31	

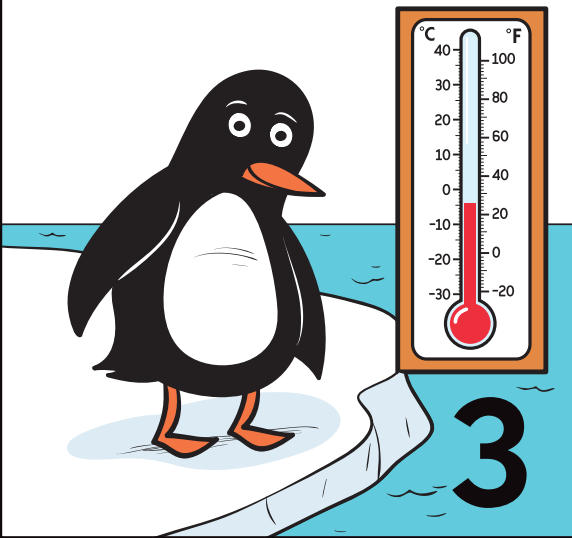
# Mini-Markers Page 1 of 6



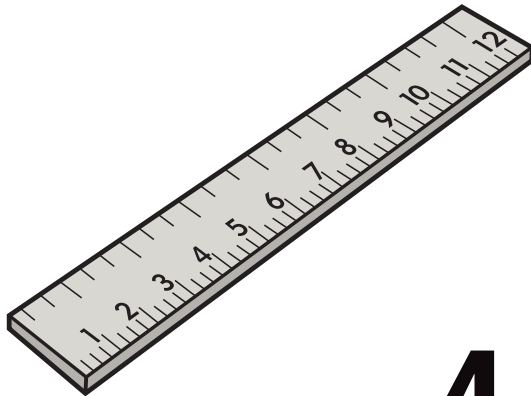
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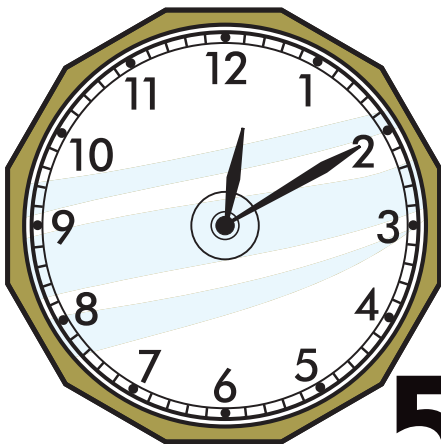
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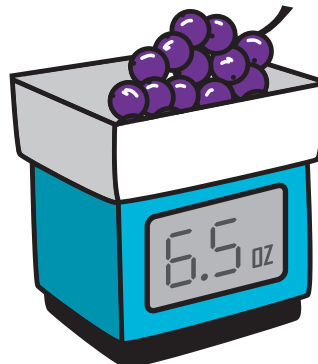
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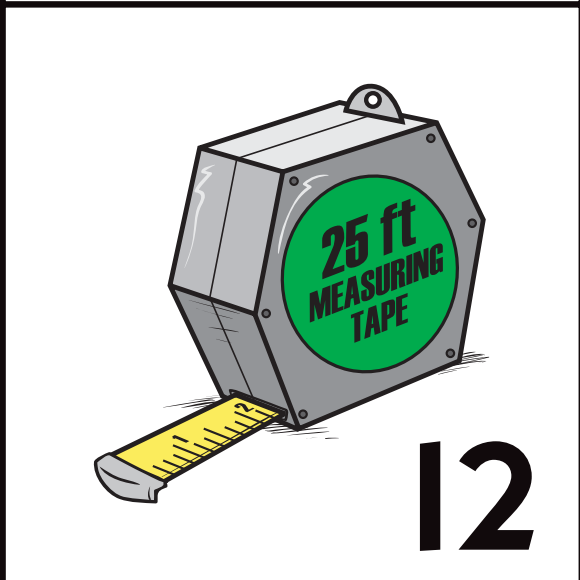
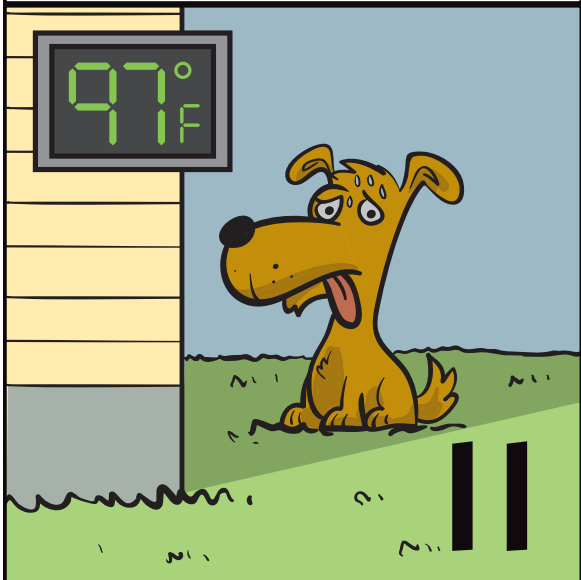
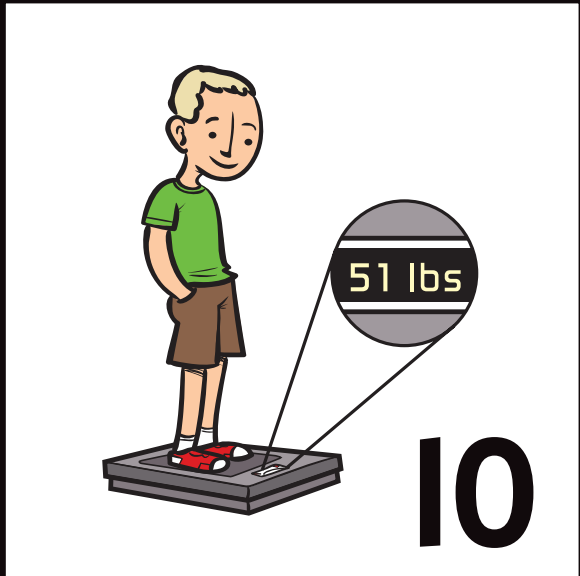
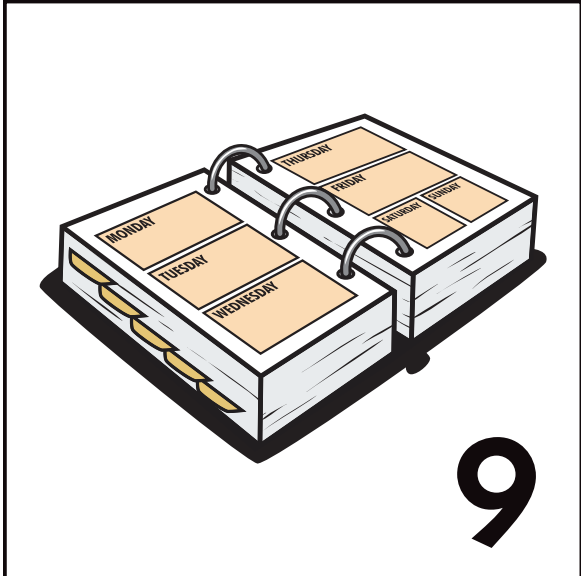
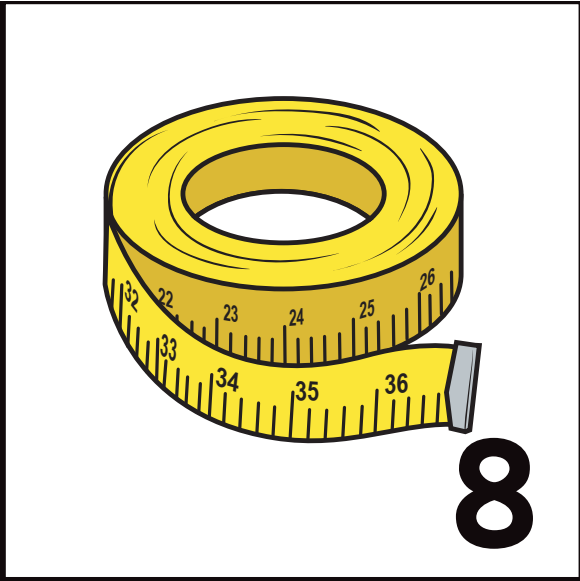
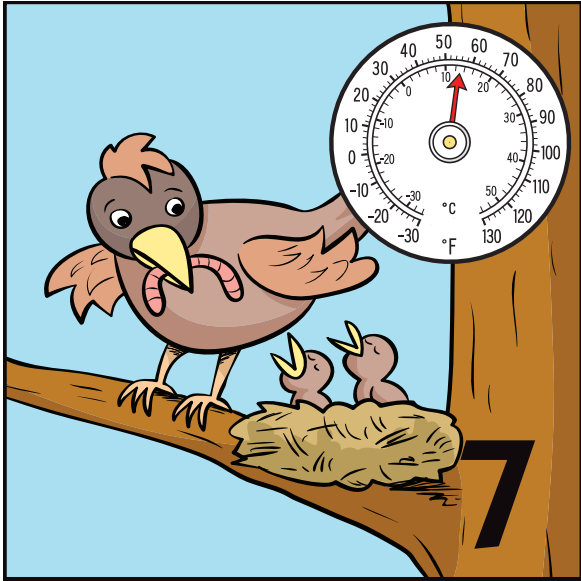
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# Mini-Markers Page 2 of 6

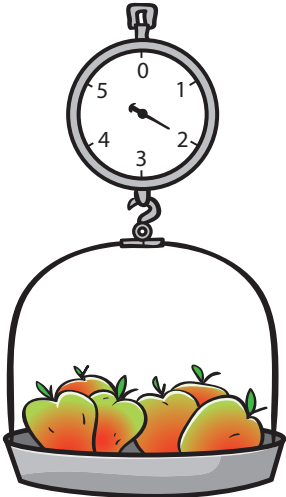


# Mini-Markers Page 3 of 6




A blue digital clock with a black display showing the time 2:10 in yellow digits. It has a speaker grille at the bottom.

**13**



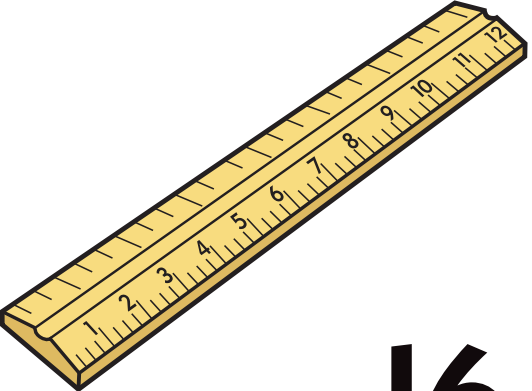
A spring scale with a circular dial showing a measurement of 2. The scale is hanging from a hook and contains a basket of fruit.

**14**



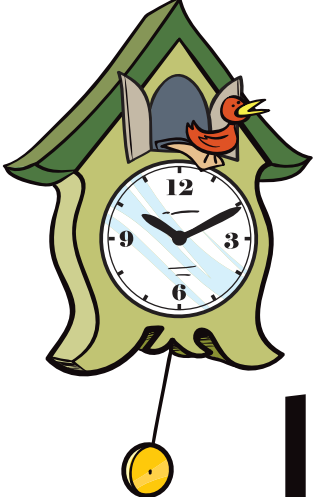
A polar bear standing on a piece of ice. In the foreground, a thermometer shows a temperature of approximately -20 degrees Celsius.

**15**



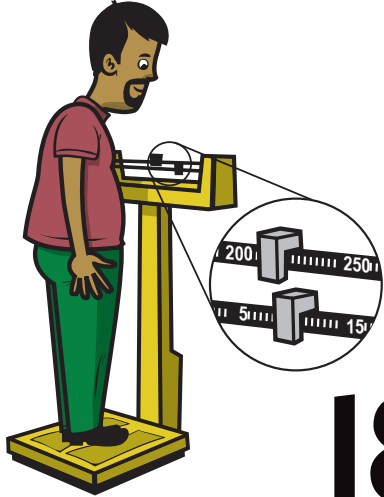
A yellow wooden ruler with markings from 1 to 12 inches.

**16**



A green cuckoo clock with a bird popping out of the top and a pendulum hanging from the bottom.

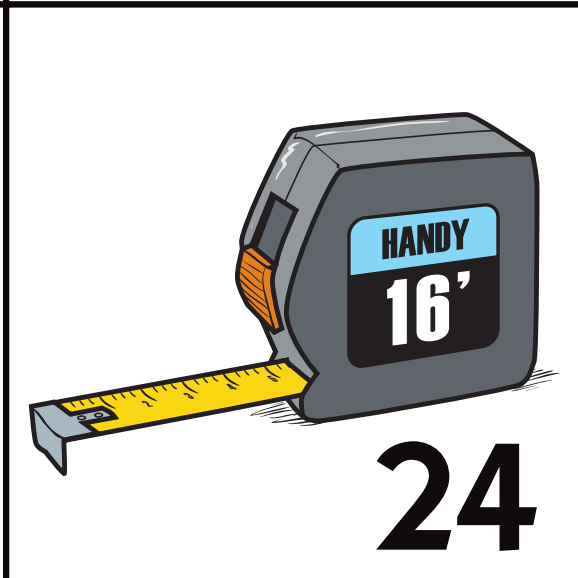
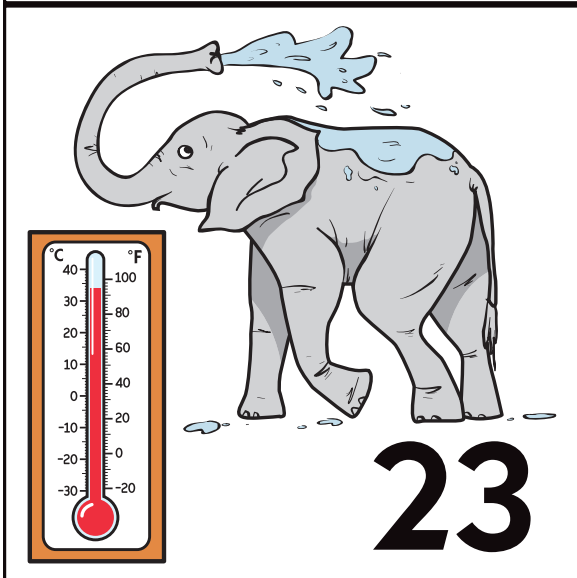
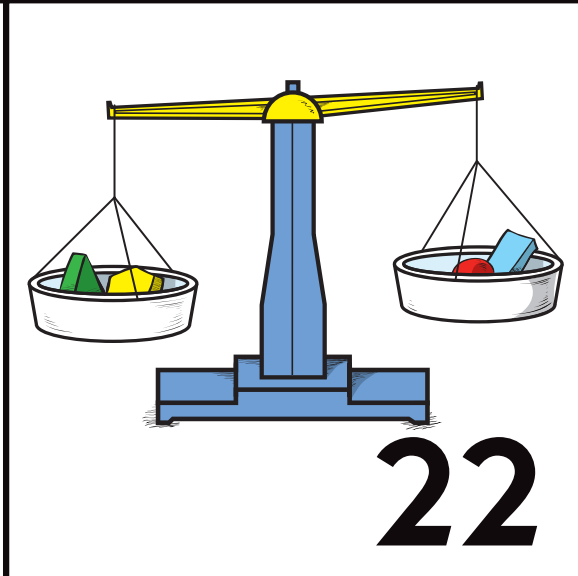
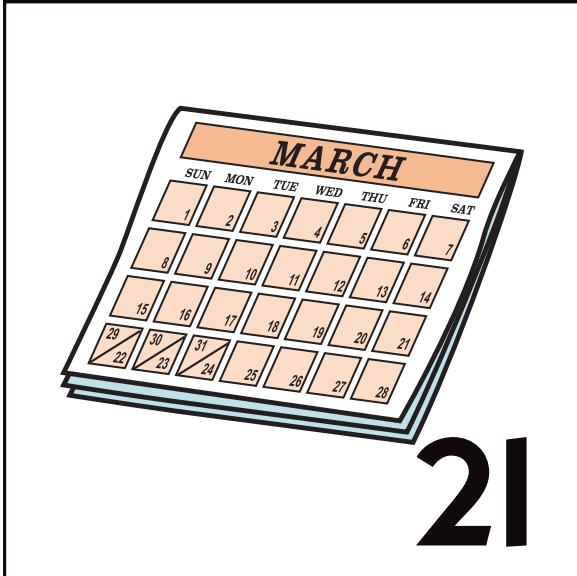
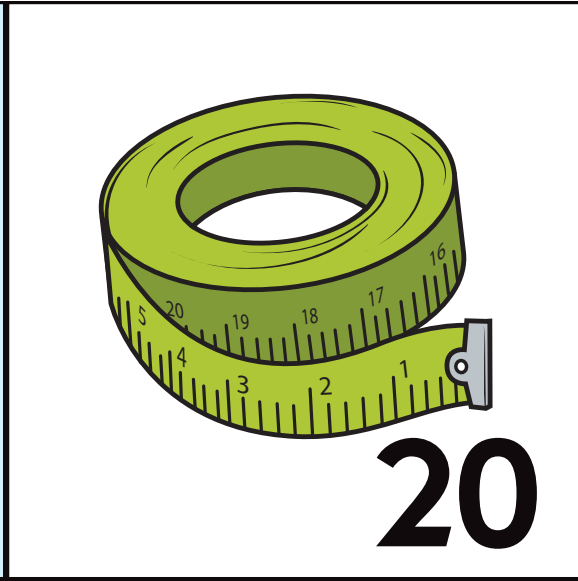
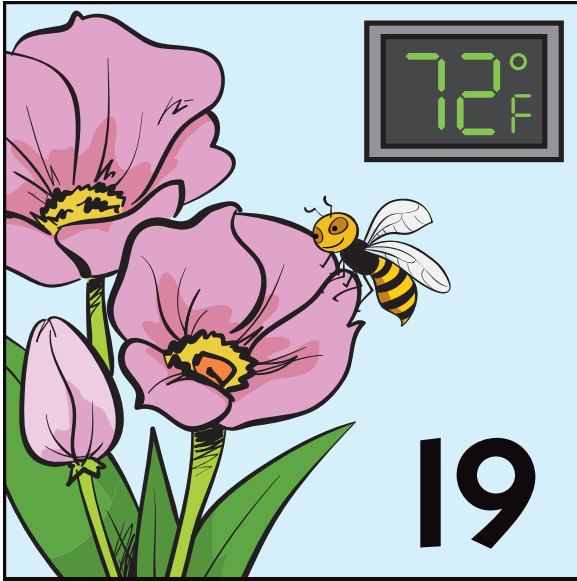
**17**



A person standing on a yellow platform scale. A circular inset shows a close-up of the scale's markings, with labels for 200, 250, 5, and 15.

**18**

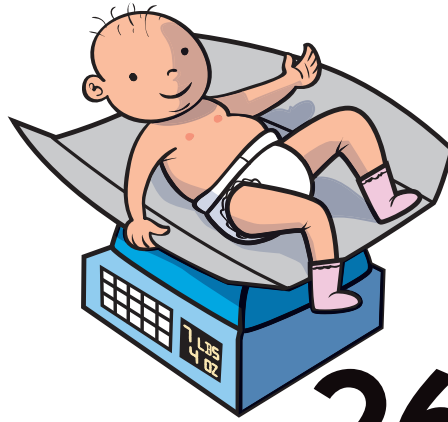
# Mini-Markers Page 4 of 6



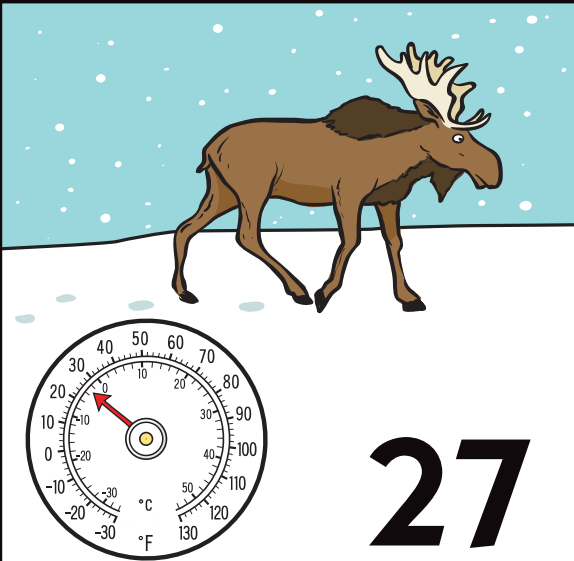
# Mini-Markers Page 5 of 6



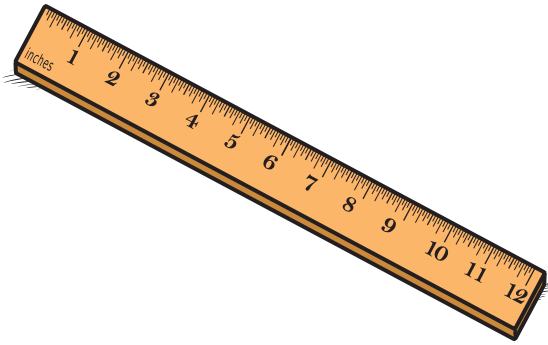
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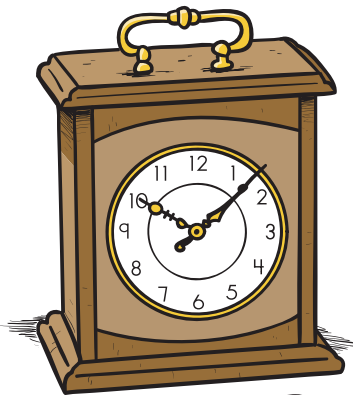
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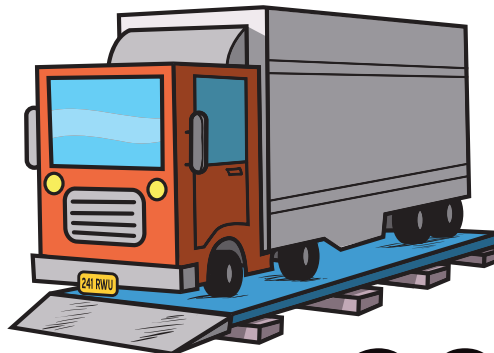
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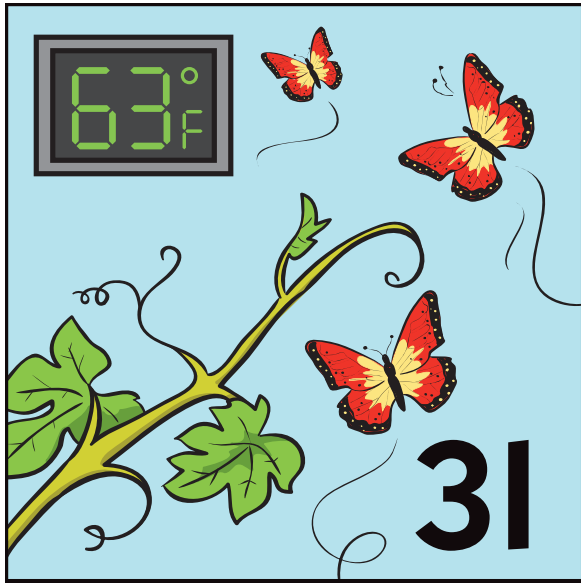


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# Mini-Markers Page 6 of 6



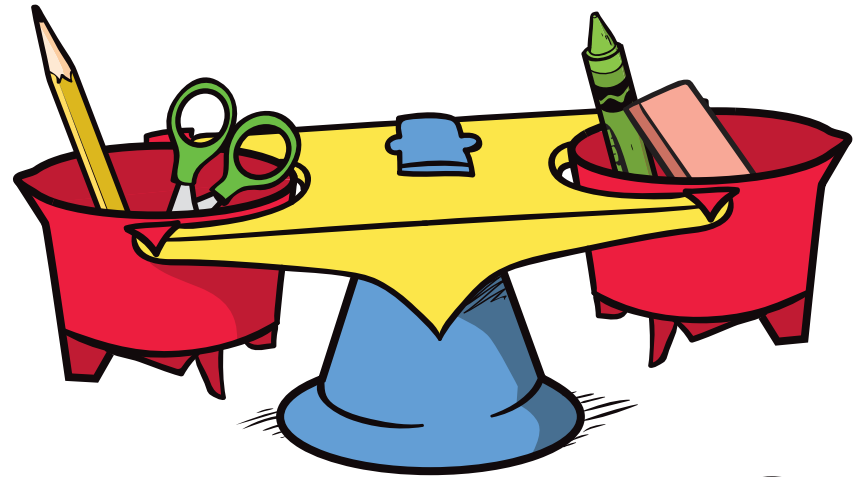


Print 1 copy of the calendar marker sheets, preferably in color, single-sided, on white cardstock. Cut the calendar markers apart and laminate if desired.

# April Measuring Tools Calendar Markers Sheet 1 of 16



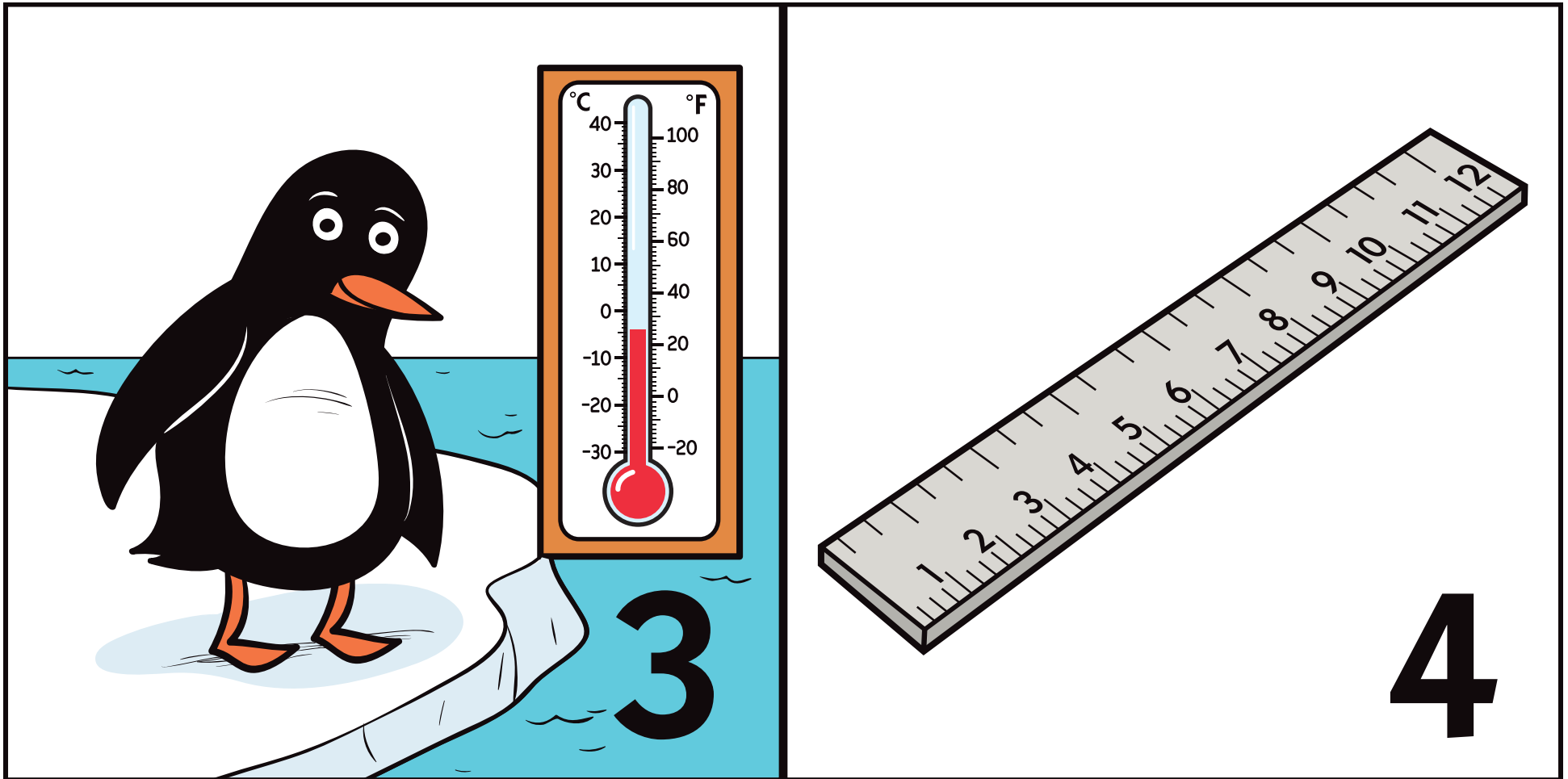
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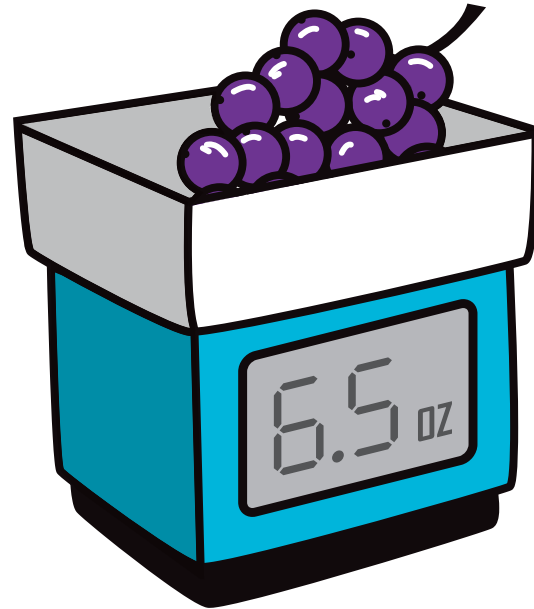
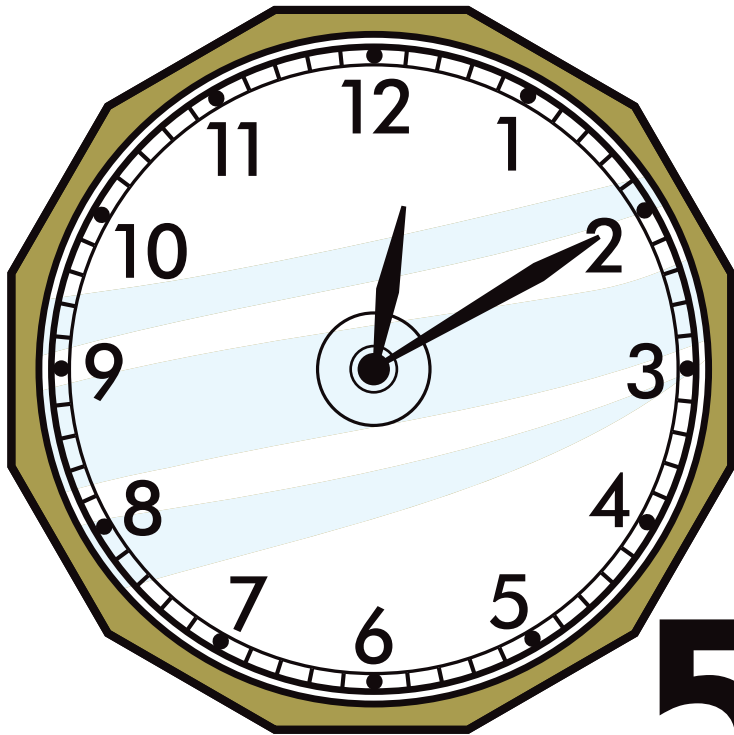
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## April Measuring Tools Calendar Markers Sheet 2 of 16



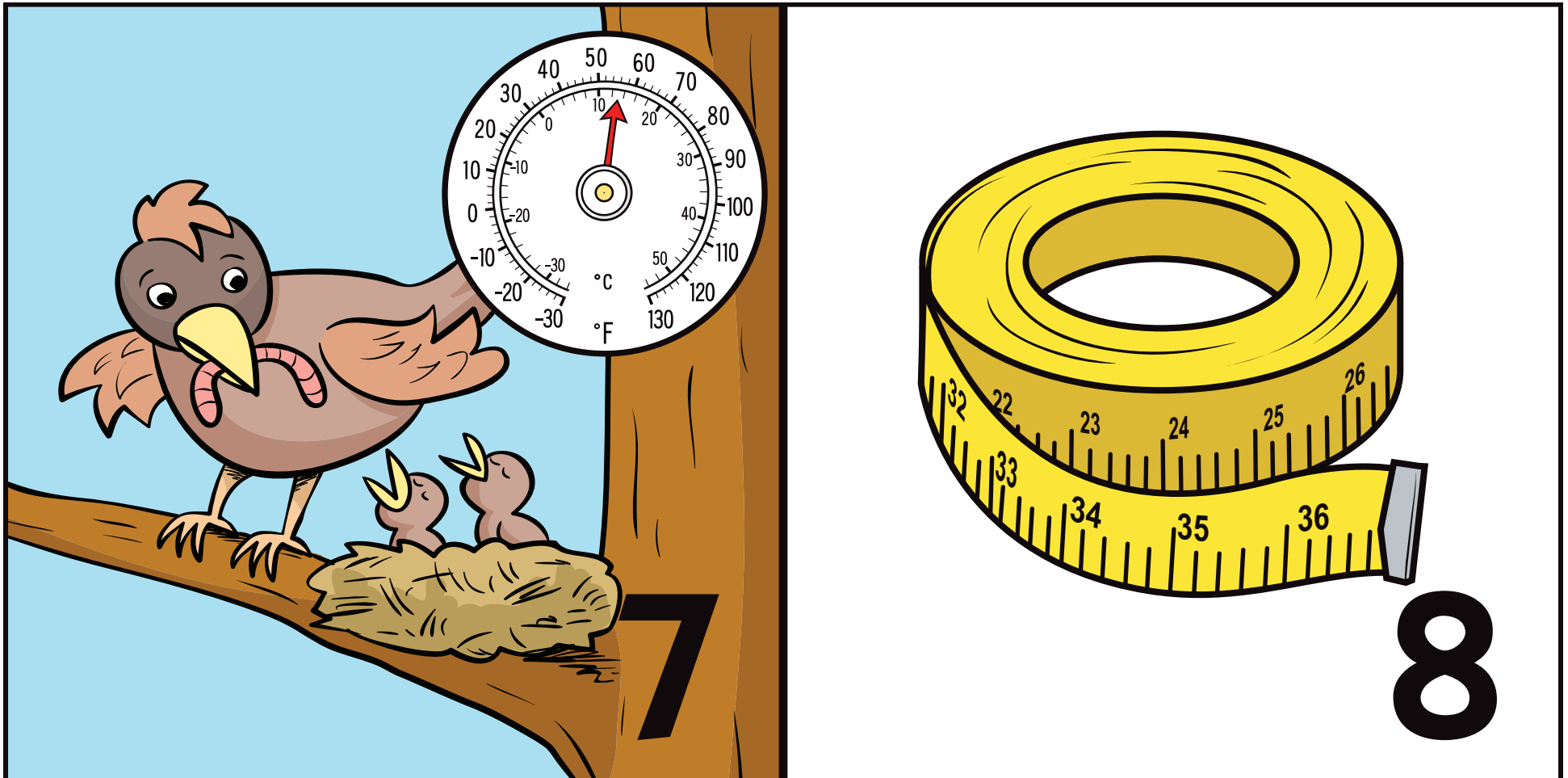


# April Measuring Tools Calendar Markers Sheet 3 of 16



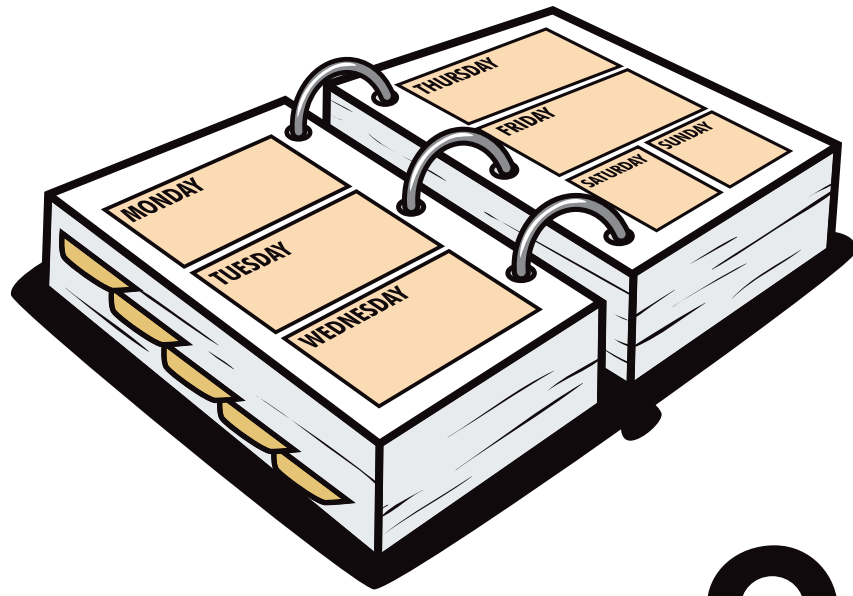
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## April Measuring Tools Calendar Markers Sheet 4 of 16

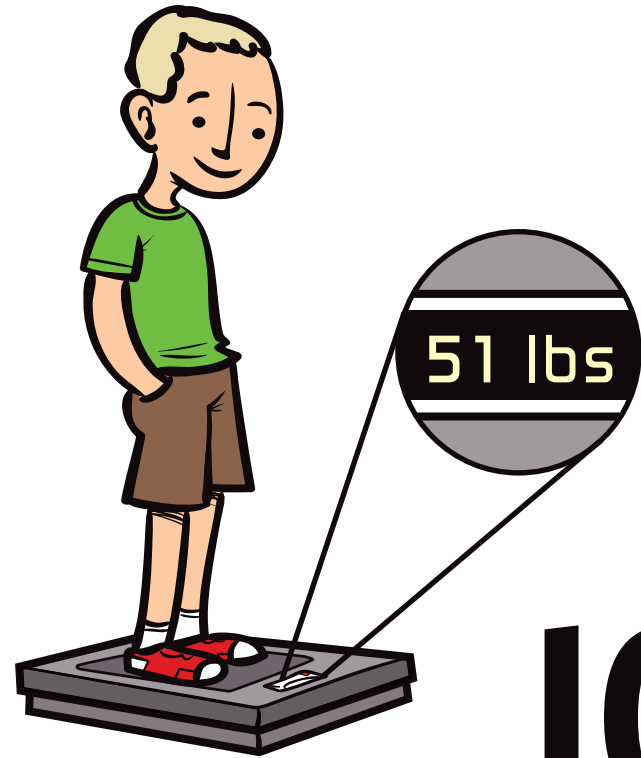


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## April Measuring Tools Calendar Markers Sheet 5 of 16

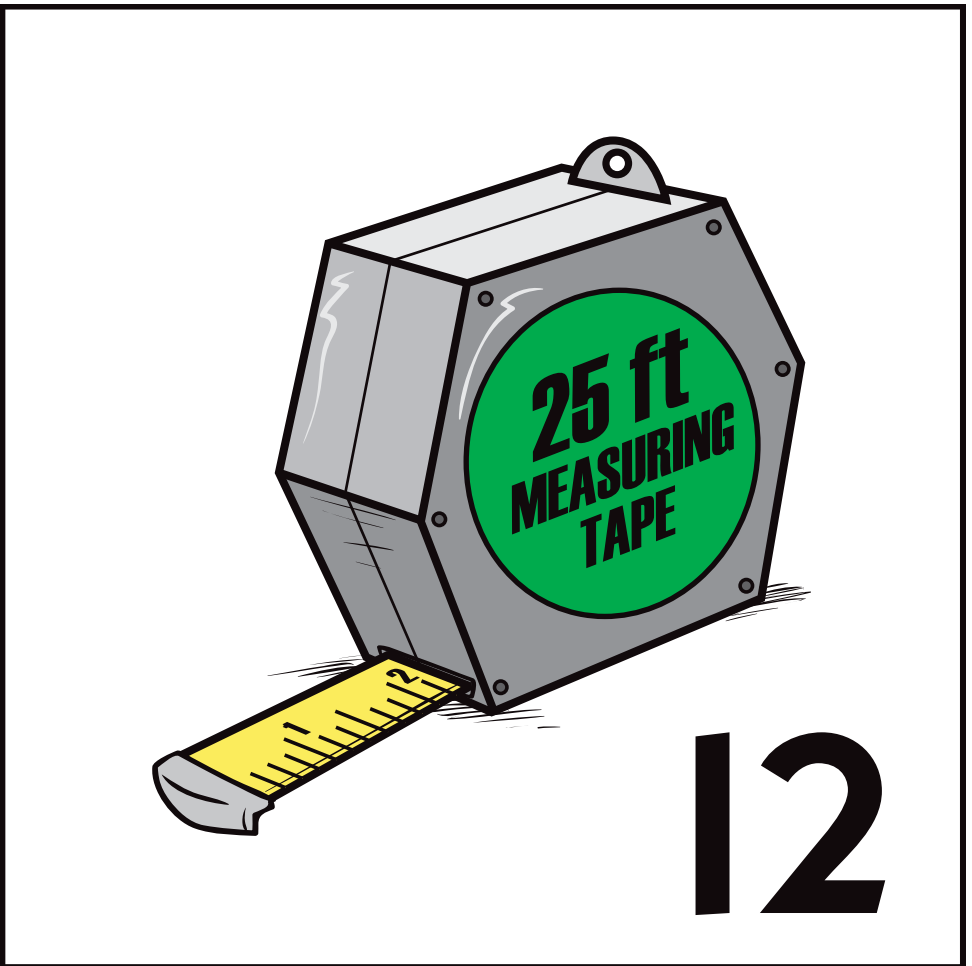
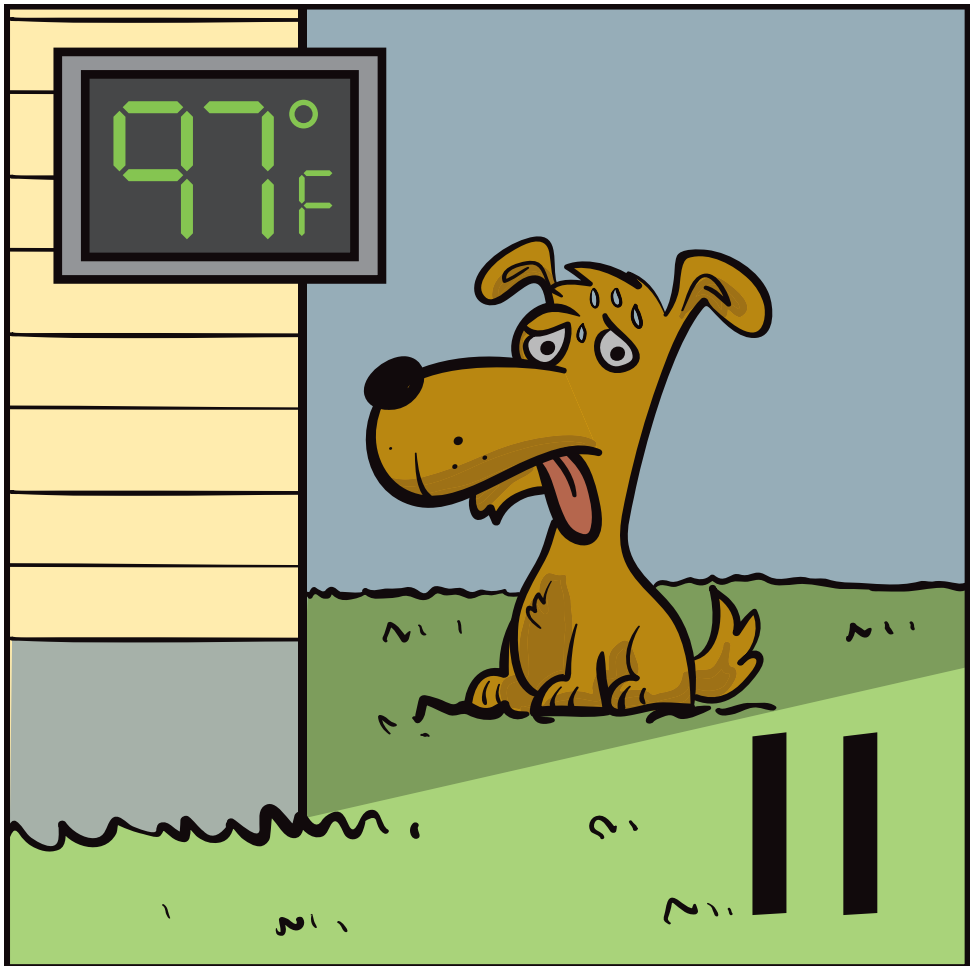


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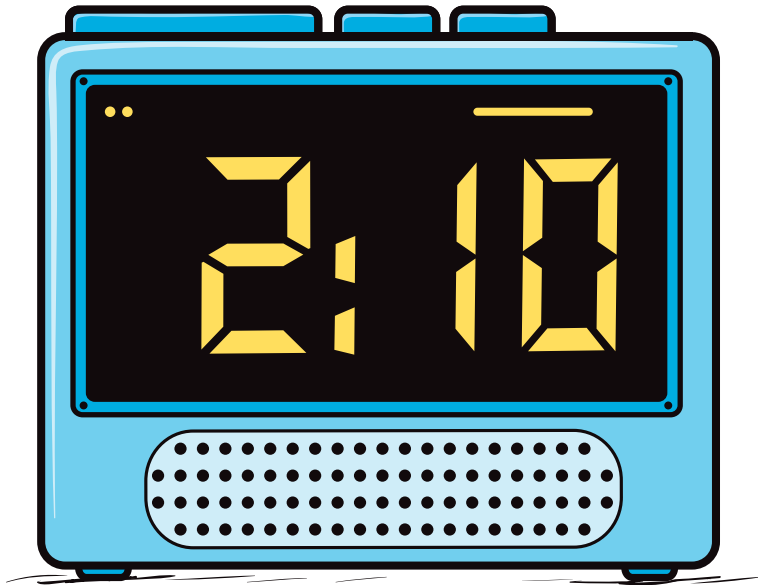


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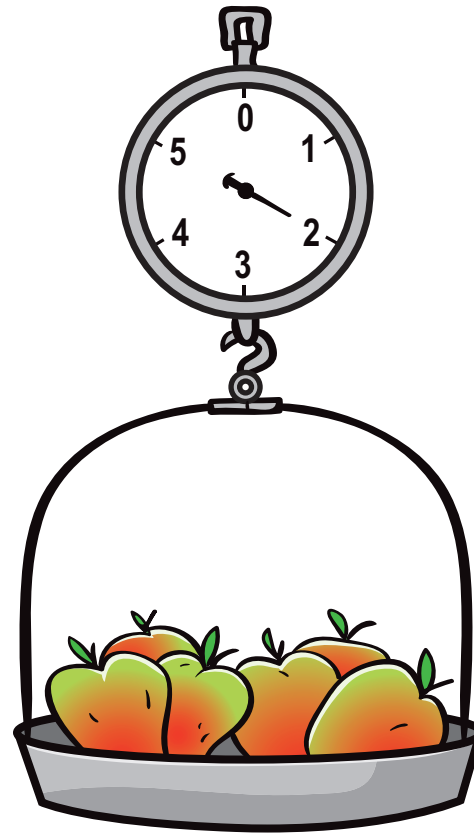
# April Measuring Tools Calendar Markers Sheet 6 of 16



# April Measuring Tools Calendar Markers Sheet 7 of 16

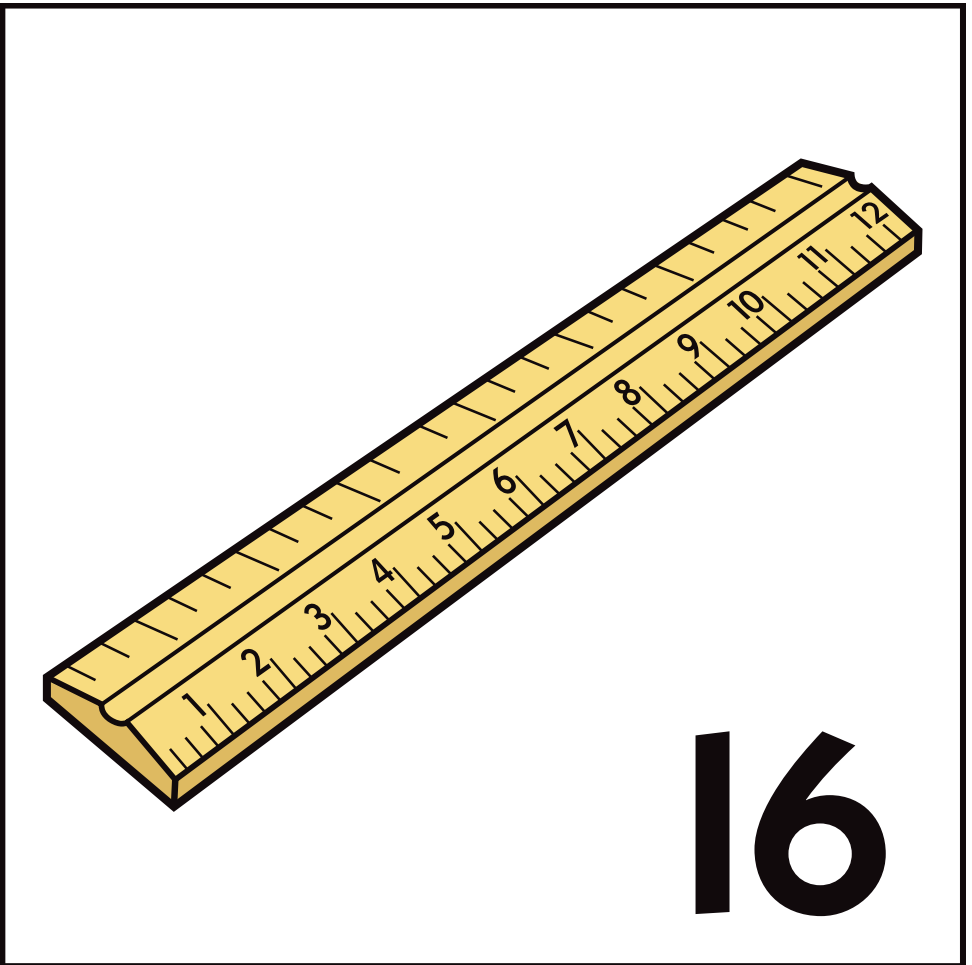
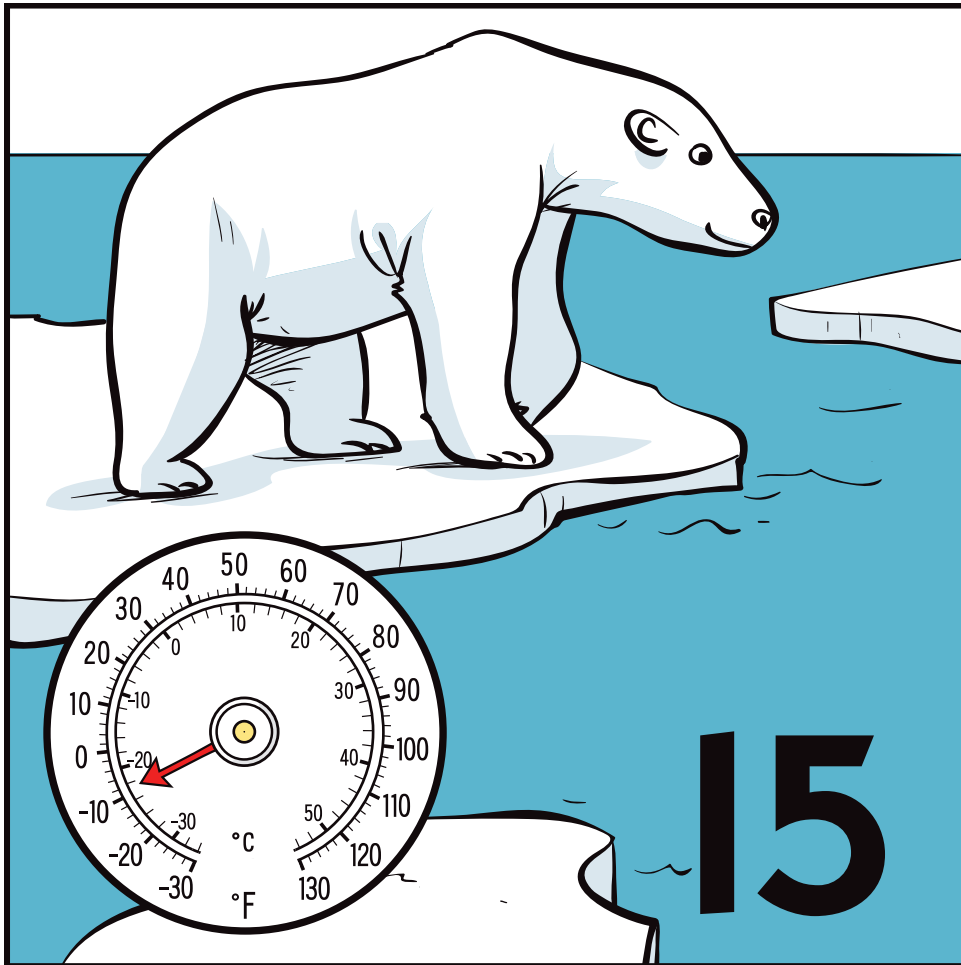


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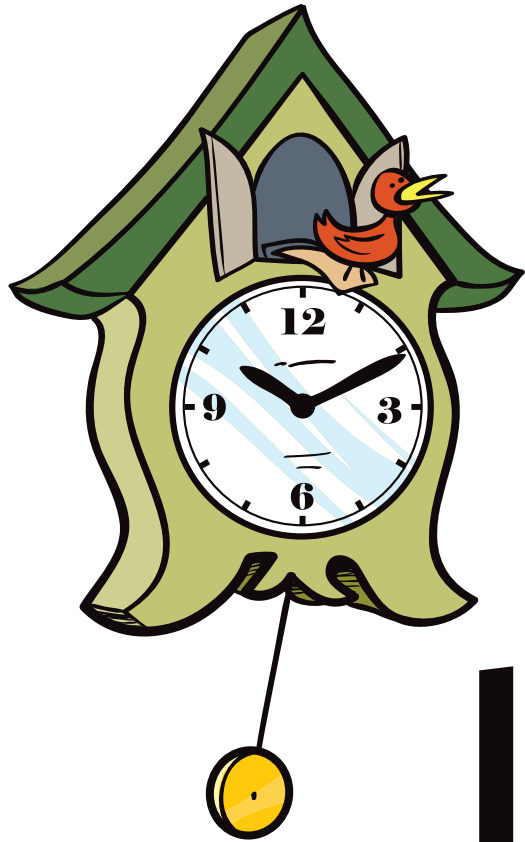


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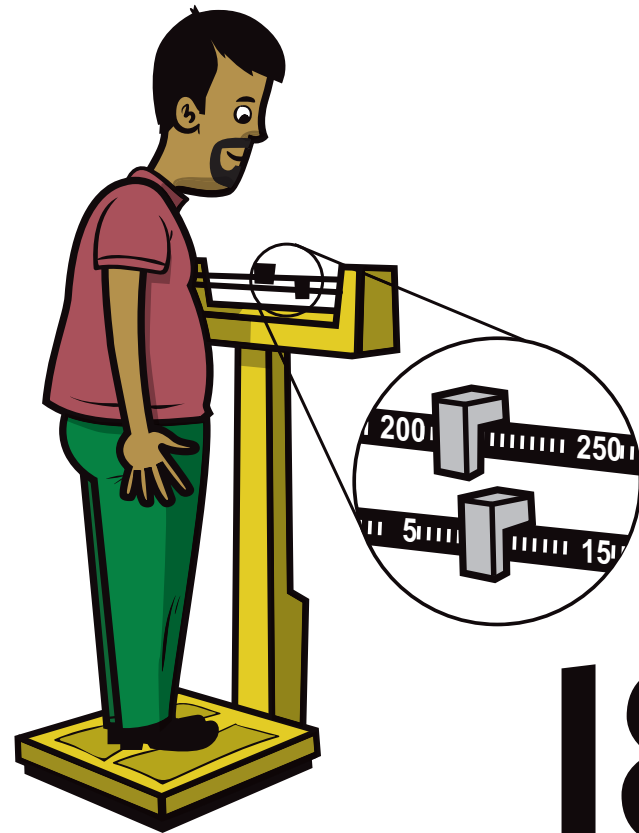
# April Measuring Tools Calendar Markers Sheet 8 of 16



## April Measuring Tools Calendar Markers Sheet 9 of 16



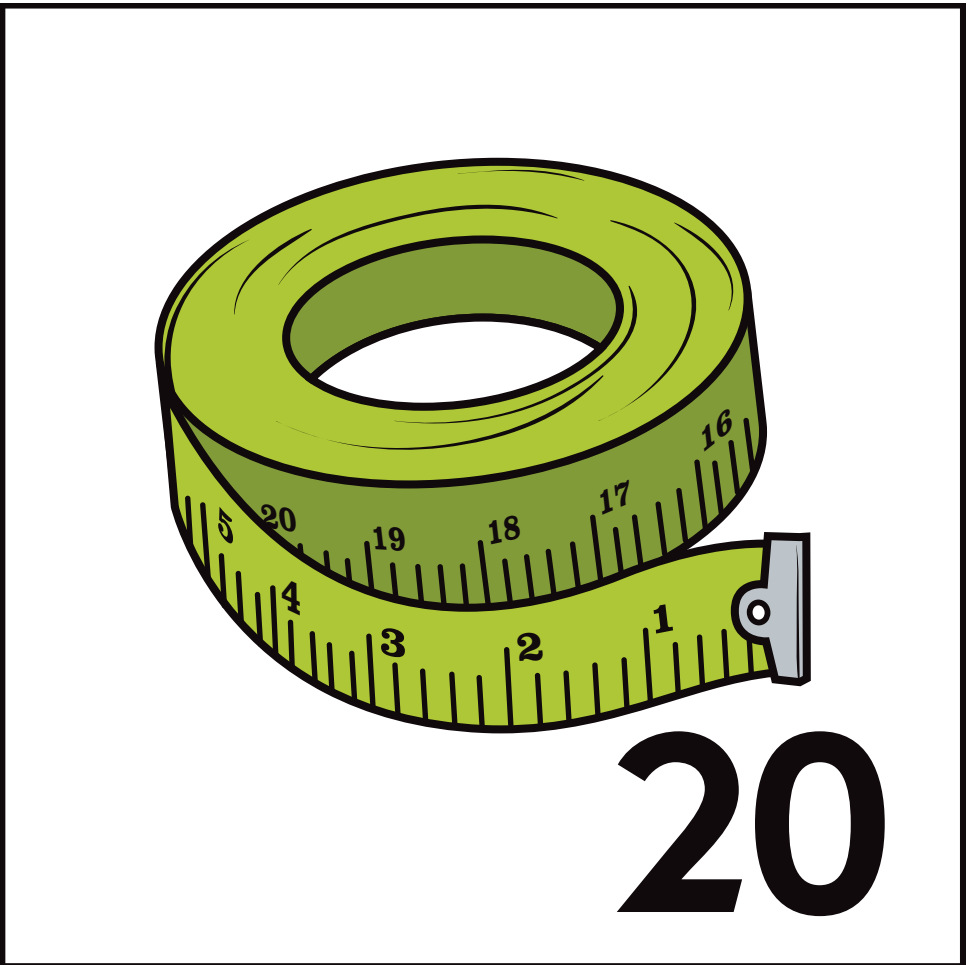
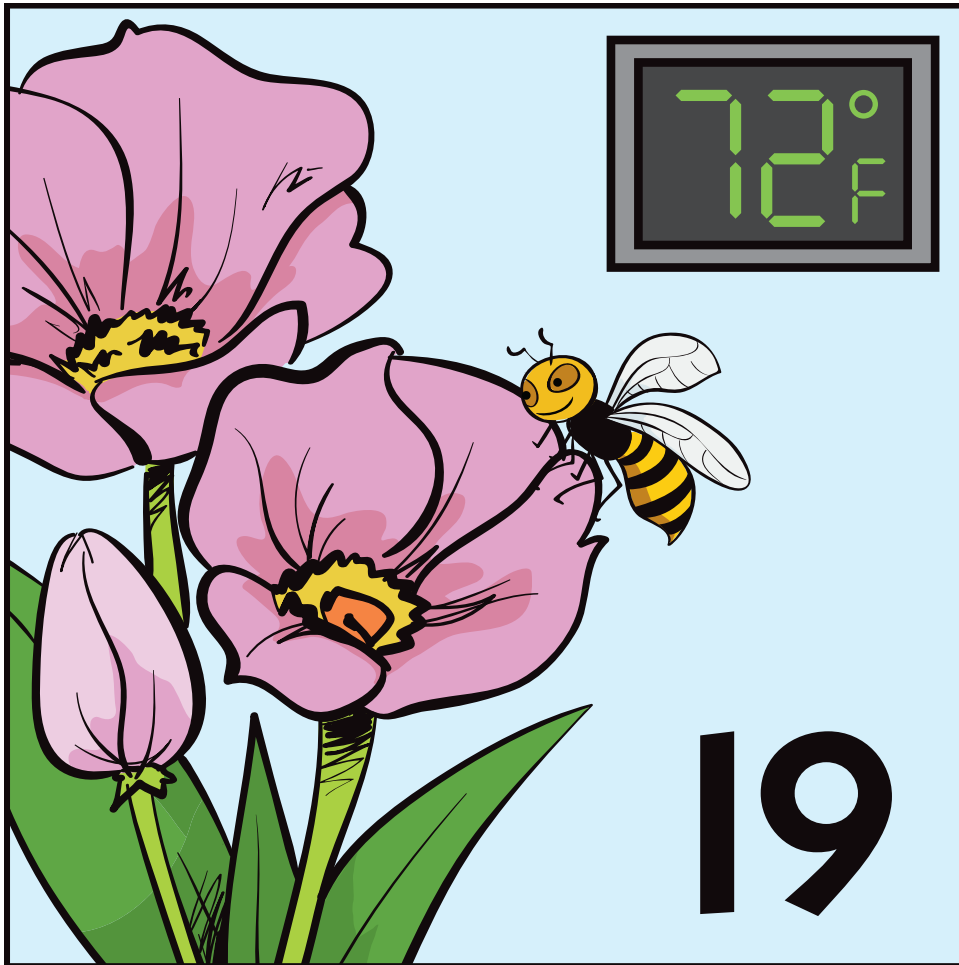
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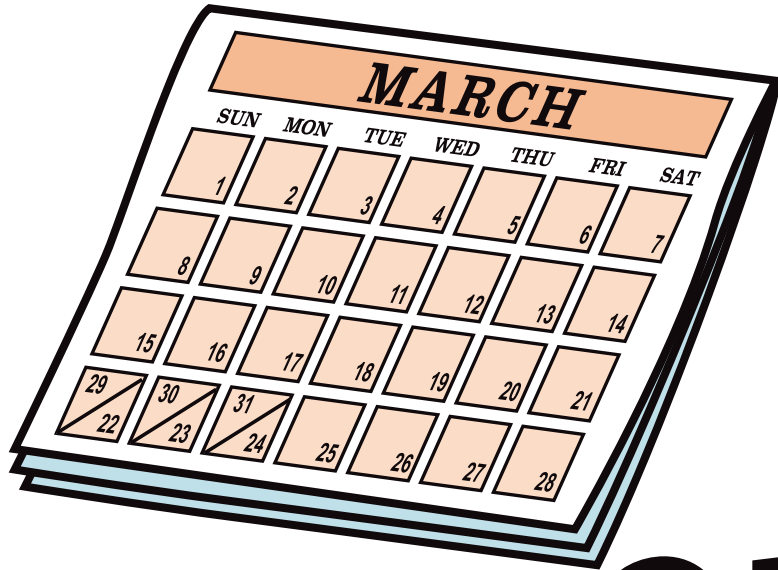
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## April Measuring Tools Calendar Markers Sheet 10 of 16

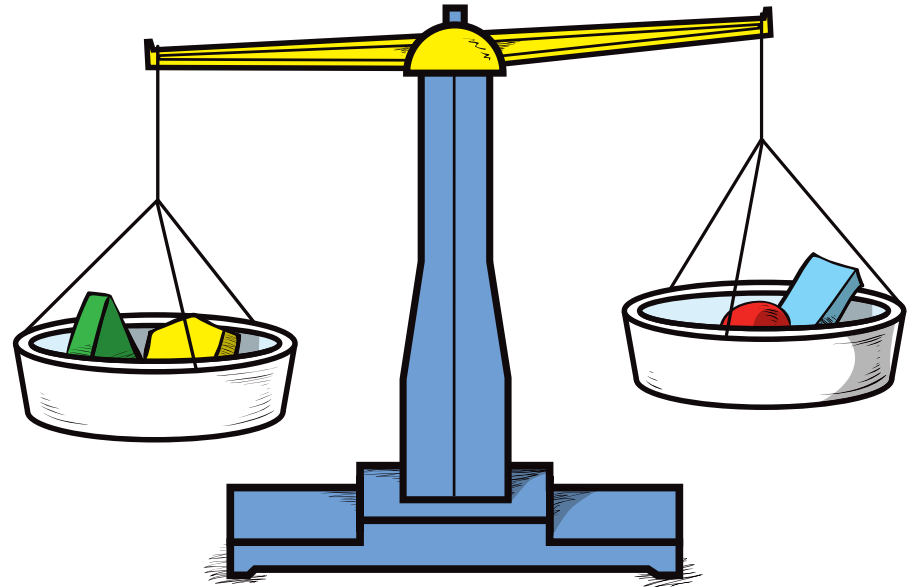




# April Measuring Tools Calendar Markers Sheet 11 of 16

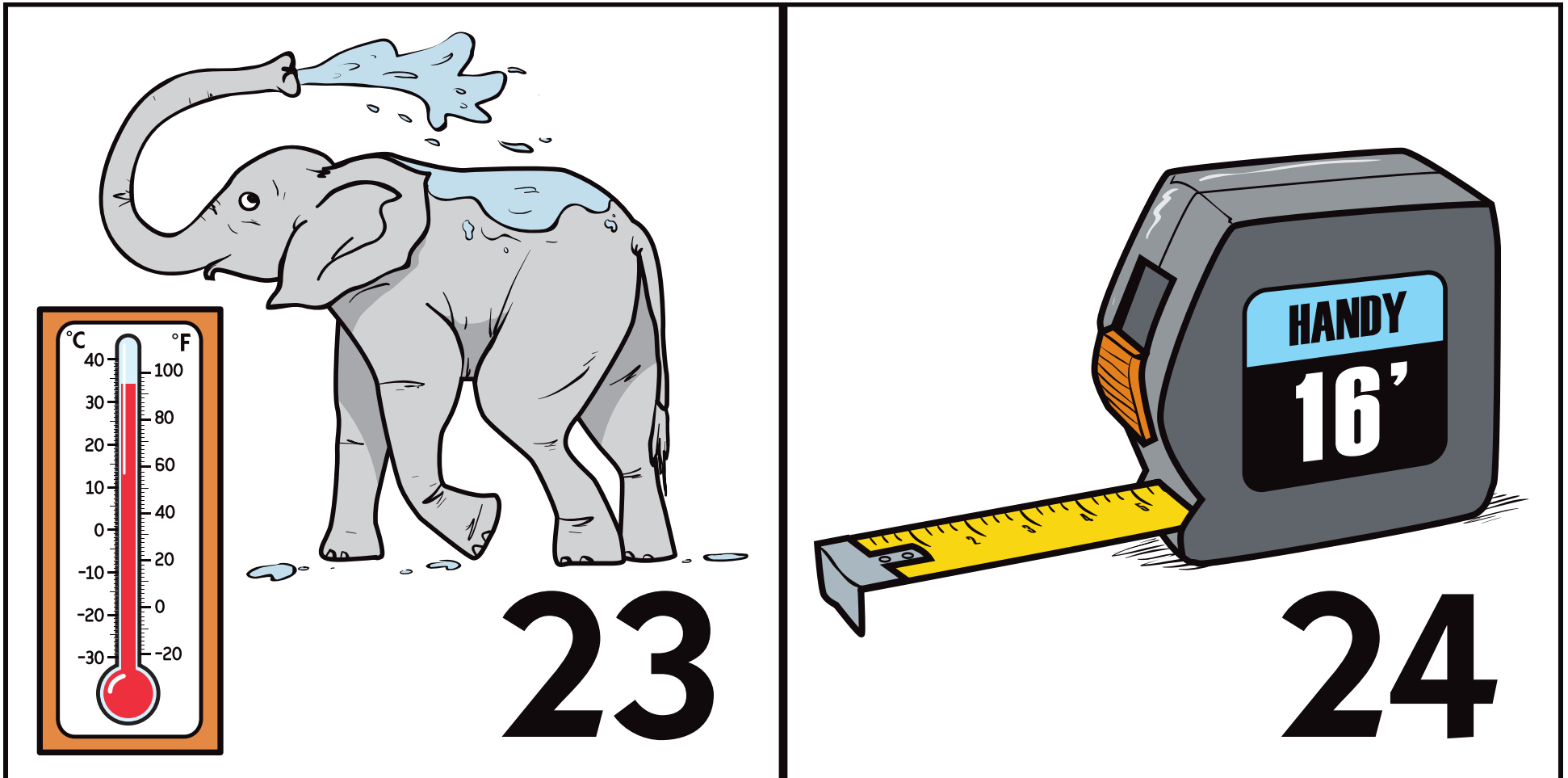


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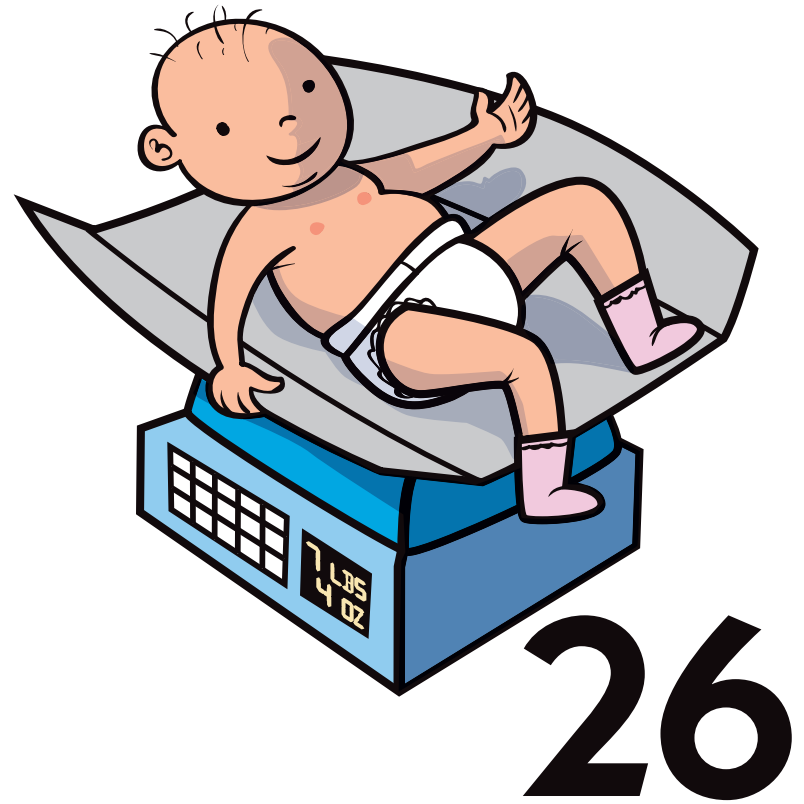


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## April Measuring Tools Calendar Markers Sheet 12 of 16

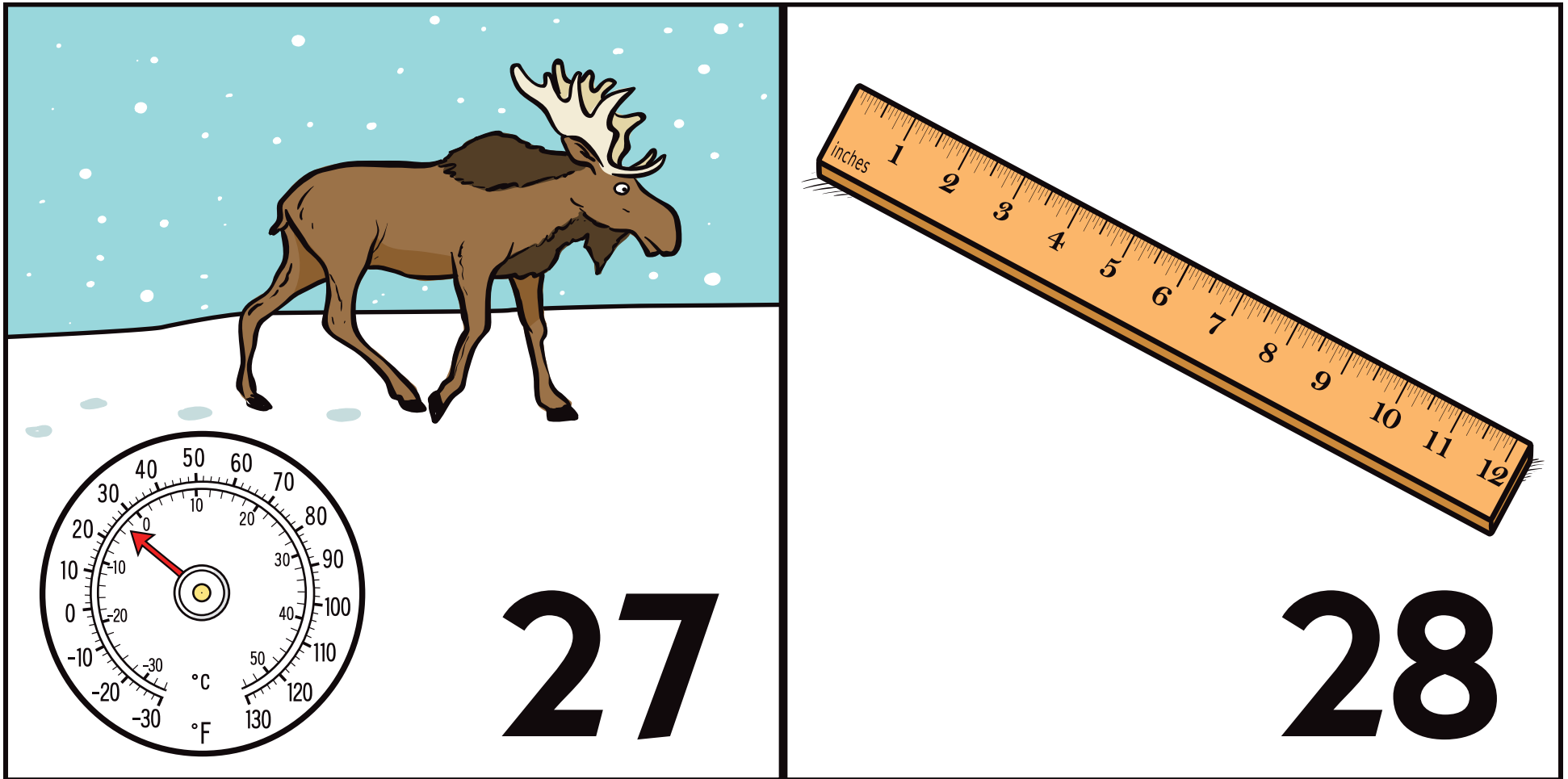


# April Measuring Tools Calendar Markers Sheet 13 of 16

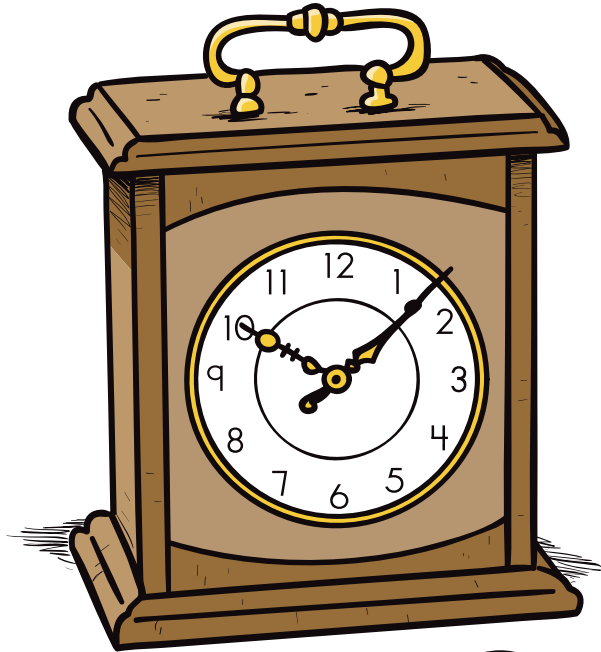


Print 1 copy of the calendar marker sheets, preferably in color, single-sided, on white cardstock. Cut the calendar markers apart and laminate if desired.

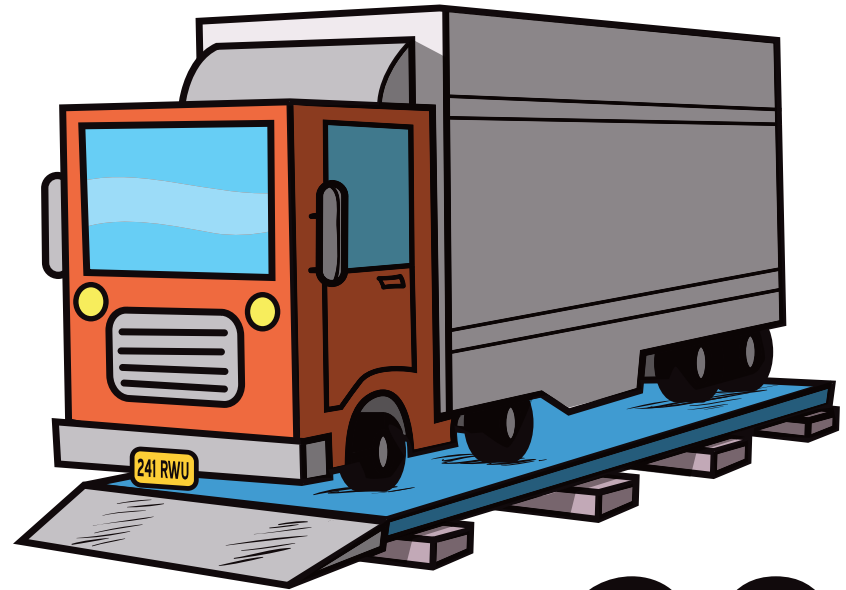
## April Measuring Tools Calendar Markers Sheet 14 of 16



# April Measuring Tools Calendar Markers Sheet 15 of 16



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Print 1 copy of the calendar marker sheets, preferably in color, single-sided, on white cardstock. Cut the calendar markers apart and laminate if desired.

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