



GRADE 1 SUPPLEMENT

Set C3 Geometry: 2-D Shapes Around Us Calendar Pattern

Includes

November Calendar Pattern

C3.1

Skills & Concepts

- ★ identify, name, and describe 2-D geometric shapes, regardless of orientation, in everyday situations
- ★ identify, describe, and extend repeating patterns
- ★ read aloud numerals from 0 to 31
- ★ identify ordinal positions through the 31st

Bridges in Mathematics Grade 1 Supplement

Set C3 Geometry: 2-D Shapes Around Us 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 C3 ★ November Calendar Pattern



CALENDAR GRID

2-D Shapes Around Us

Overview

This set of Calendar Grid markers replaces the student-made markers in the month of November, and provides opportunities for first graders to identify, describe, and compare rectangles, circles, triangles, squares, and pentagons as they appear in familiar objects.

Skills & Concepts

- ★ identify, name, and describe 2-D geometric shapes, regardless of orientation, in everyday situations
- ★ identify, describe, and extend repeating patterns
- ★ read aloud numerals from 0 to 30
- ★ identify ordinal positions through the 30th

You'll need

- ★ Calendar Grid pocket chart
- ★ Month and Year Calendar Grid cards
- ★ November 2-D Shapes Around Us 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.
- ★ Calendar Grid Observations sheet from Set C2 (see Advance Preparation)
- ★ helper jar containing a popsicle stick for each child with his/her name on it
- ★ books about shapes to read aloud (optional, see Extensions on page C3.4)

Advance Preparation Erase the Calendar Grid Observations sheet from Set C2. Redraw the columns to create 4 instead of 3. Label the columns at the top of the first sheet as shown below for use with this month's markers.

Calendar Grid Observations			
Date	Object	Shape	Other

Introducing the 2-D Shapes Around Us Calendar Grid Pattern

Open your first Number Corner lesson in November by directing students' attention to the calendar grid. Explain that 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.



November Calendar Pattern (cont.)

Students *It looks like a box.*



It's a paint set.

There's a 1 on it because it's the first day of November.

It also has the number 16 on it.

After they have had a chance to share some of their observations, work with input from the children to record the date, the name of the object, and its shape on the observation sheet. There is room on the chart for at least one other observation as well (e.g., where one might find the object, the material of which the object is made, the ways in which people use the object, and so on).

If the month starts on Saturday or Sunday, instead of a weekday, you may have to repeat the process described above with the second, and possibly even the third, marker to bring your calendar up to date.

November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 	2 					

Calendar Grid Observations			
Date	Object	Shape	Other
1	Paint Set	Rectangle	We have one.
2	Door	Rectangle	It's made of wood.

Continuing through November with the Calendar Grid











Each day, have a helper point to the markers that have been posted in the pocket chart as the class names each object. Have children predict what the next marker will show before you place it on the chart. Once the new marker has been posted, ask students to share their observations. Record the name and shape of the object, and one of the other observations children share.

Teacher *Let's say the name of the object on each marker we've posted so far, and then make some predictions about what we'll see on today's marker. Brianna, will you point to the markers as we name each object?*

Students *Paint set, door, clock, quarter, team banner, die, school sign, window, five dollar bill. Maybe there will be some other kind of money today, like a dime, because we've had a quarter and then a five dollar bill. Maybe it will be something you can eat, like a cookie, or maybe a whole pizza!*

Teacher *Interesting predictions! Let's post the marker for today and share our observations. I'll record some of our ideas on the chart.*
















November Calendar Pattern (cont.)

November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 1	 2	 3	 4	 5	 6	 7
 8	 9	 10				

Calendar Grid Observations			
Date	Object	Shape	Other
1	Paint Set	Rectangle	We have one.
2	Door	Rectangle	It's made of wood.
3	Clock	Circle	It has numbers on it.
4	Quarter	Circle	You can spend it.
5	Team Banner	Triangle	You can wave it.
6	Die	Square	It's for games.
7	School Sign	Pentagon	It keeps us safe.
8	Window	Rectangle	It's made of glass.
9	5 Dollar Bill	Rectangle	It's worth 500 cents.
10	Button	Circle	It's on some clothes.

Because the sequence of shapes doesn't start to repeat until the 8th of the month, it may take children a while to identify the pattern. If your class hasn't figured it out by the beginning of the third week, guide students a bit by having them name the shape of each object as you point to the markers. Pause slightly after the 7th and the 14th markers to help children get a feel for the fact that the pattern repeats after each set of 7 shapes.

Teacher *Let's name the shape of each object on our grid before we make predictions about today's marker. Are you ready? I'll point.*

November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 1	 2	 3	 4	 5	 6	 7
 8	 9	 10	 11	 12	 13	 14
 15						

Students *Rectangle, rectangle, circle, circle, triangle, square, pentagon. Rectangle, rectangle, circle, circle, triangle, square, pentagon. Rectangle...*

Sasha *I get it! It's going to be a rectangle! The pattern is with the shapes, and it's starting over again.*

November Calendar Pattern (cont.)

Teacher *Talk with the person sitting next to you. Do you agree with Sasha that today's object will be something that's shaped like a rectangle?*

Students *Yes! It goes rectangle and then another rectangle.*

There's always 2 rectangles in a row!

I can see the pattern now! It goes in stripes up and down, like all rectangles in the first stripe, then all rectangles again, then I think it's a stripe of circles and another stripe of circles.

Once students have discovered the pattern, you can challenge them to be more focused in their predictions by taking the next shape in the sequence into consideration.

Teacher *If you're right, and the next marker will show something that's shaped like a rectangle, what might that object be? Do you see anything around the room that's rectangular?*

Students *It might be a piece of paper, or a table.*

It could be a picture of a book. Books are shaped like rectangles!

Or it could be a box, like a box of crayons or something.

Here is a summary of the questions and prompts mentioned so far, as well as some others you might use through the month:





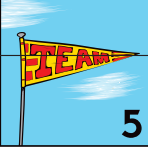






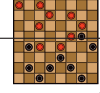















- Let's say the name of the object on each marker.
- Let's name the shape of the object on each marker.
- How do you know that the door is shaped like a rectangle? How do you know that the school sign is a pentagon, not a triangle?
- What are some of the differences between a rectangle and a circle (a triangle and a square, a pentagon and a rectangle)?
- What shape do you think we'll see on the next marker? Why?
- What are some objects you can see around our room or think of that are shaped like a rectangle (circle, triangle, square, pentagon)?
- What shape do you see on the 4th (9th, 13th, 21st) marker?
- What shape do you predict we'll see on the 23rd (25th, 28th, 30th) marker? How do you know?

Extensions

- Reinforce and extend children's skills at identifying and describing shapes in the environment by reading related books during the month. Here are three of our favorites:
 - *Shapes, Shapes, Shapes* by Tana Hoban
 - *So Many Circles, So Many Squares* by Tana Hoban
 - *The Greedy Triangle* by Marilyn Burns

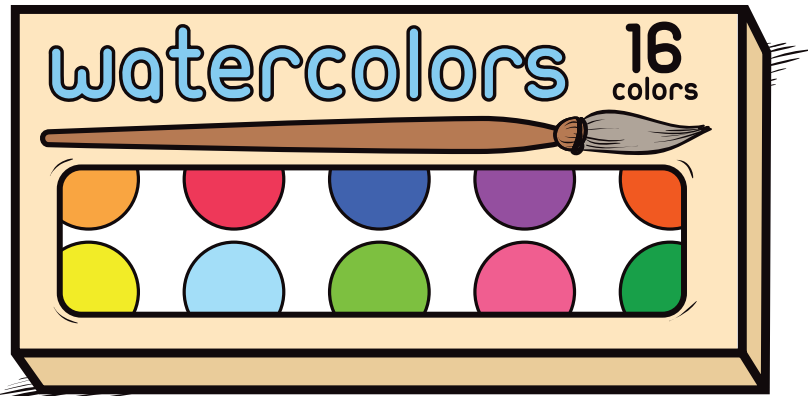
November Calendar Pattern (cont.)

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

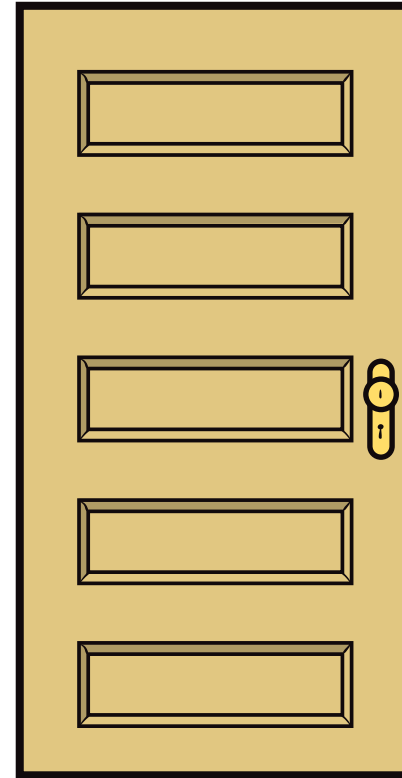
November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
 1	 2	 3	 4	 5	 6	 7
 8	 9	 10	 11	 12	 13	 14
 15	 16	 17	 18	 19	 20	 21
 22	 23	 24	 25	 26	 27	 28
 29	 30	 31				

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.

November 2-D Shapes Around Us Calendar Markers Sheet 1 of 16



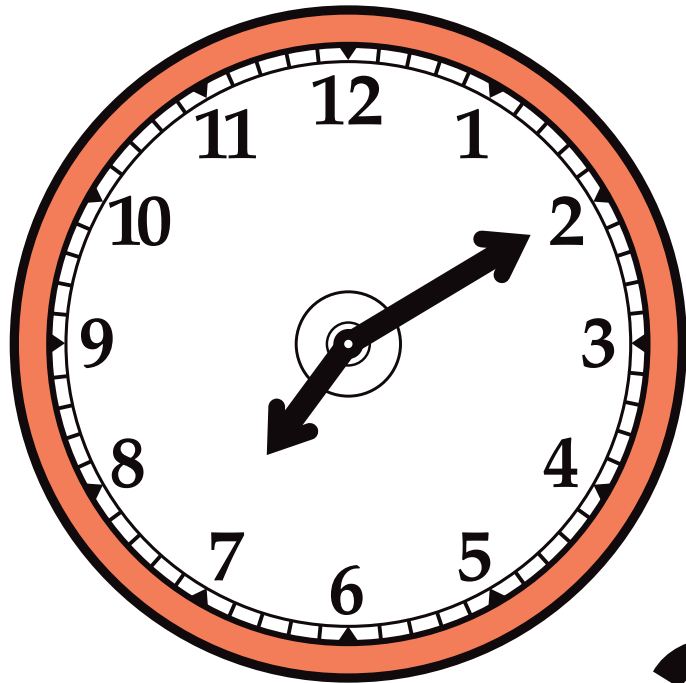
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November 2-D Shapes Around Us Calendar Markers Sheet 2 of 16



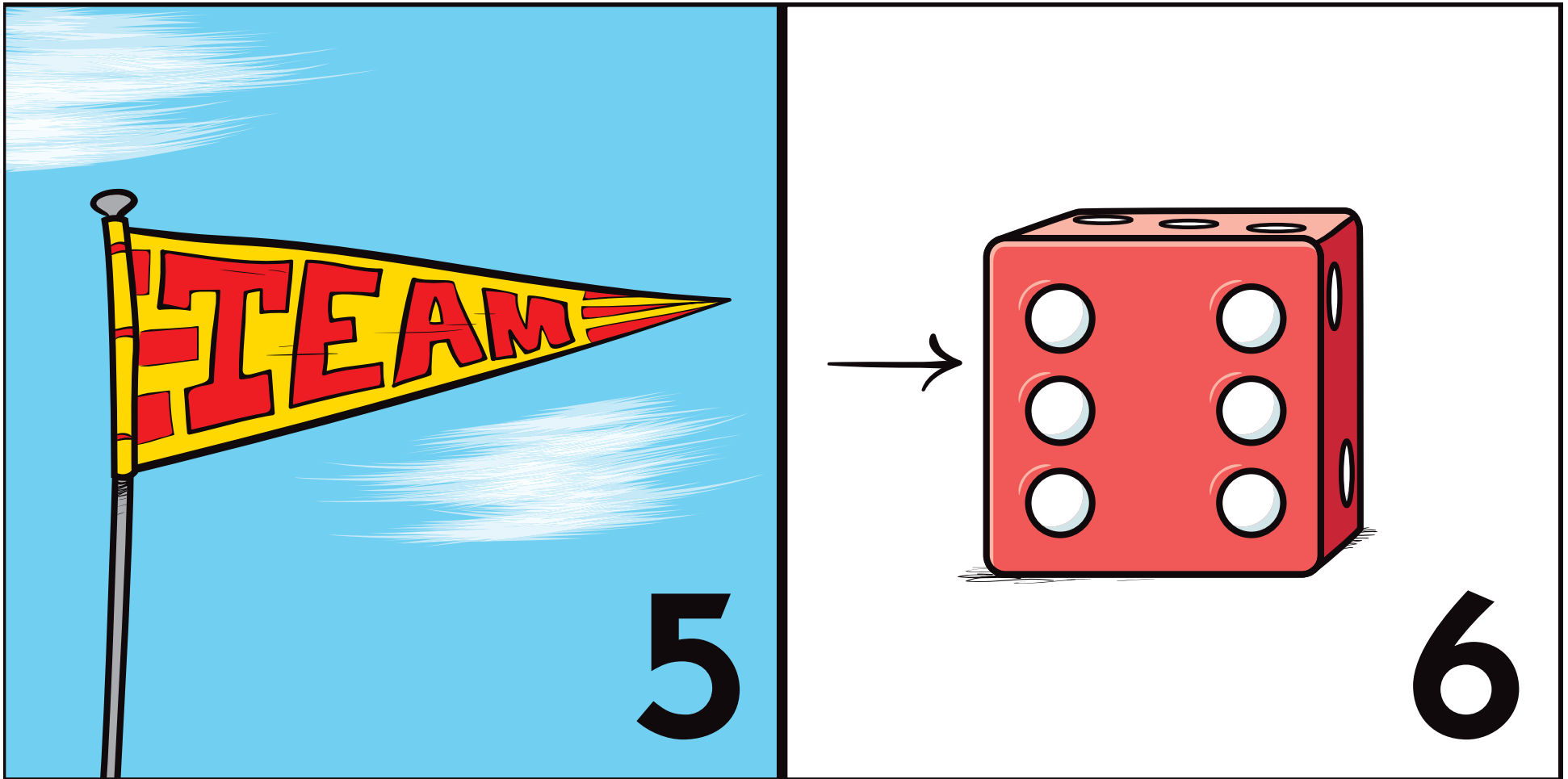
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November 2-D Shapes Around Us Calendar Markers Sheet 3 of 16

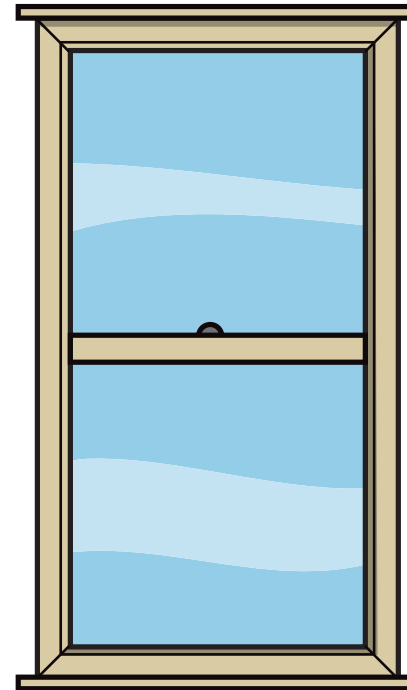


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November 2-D Shapes Around Us Calendar Markers Sheet 4 of 16



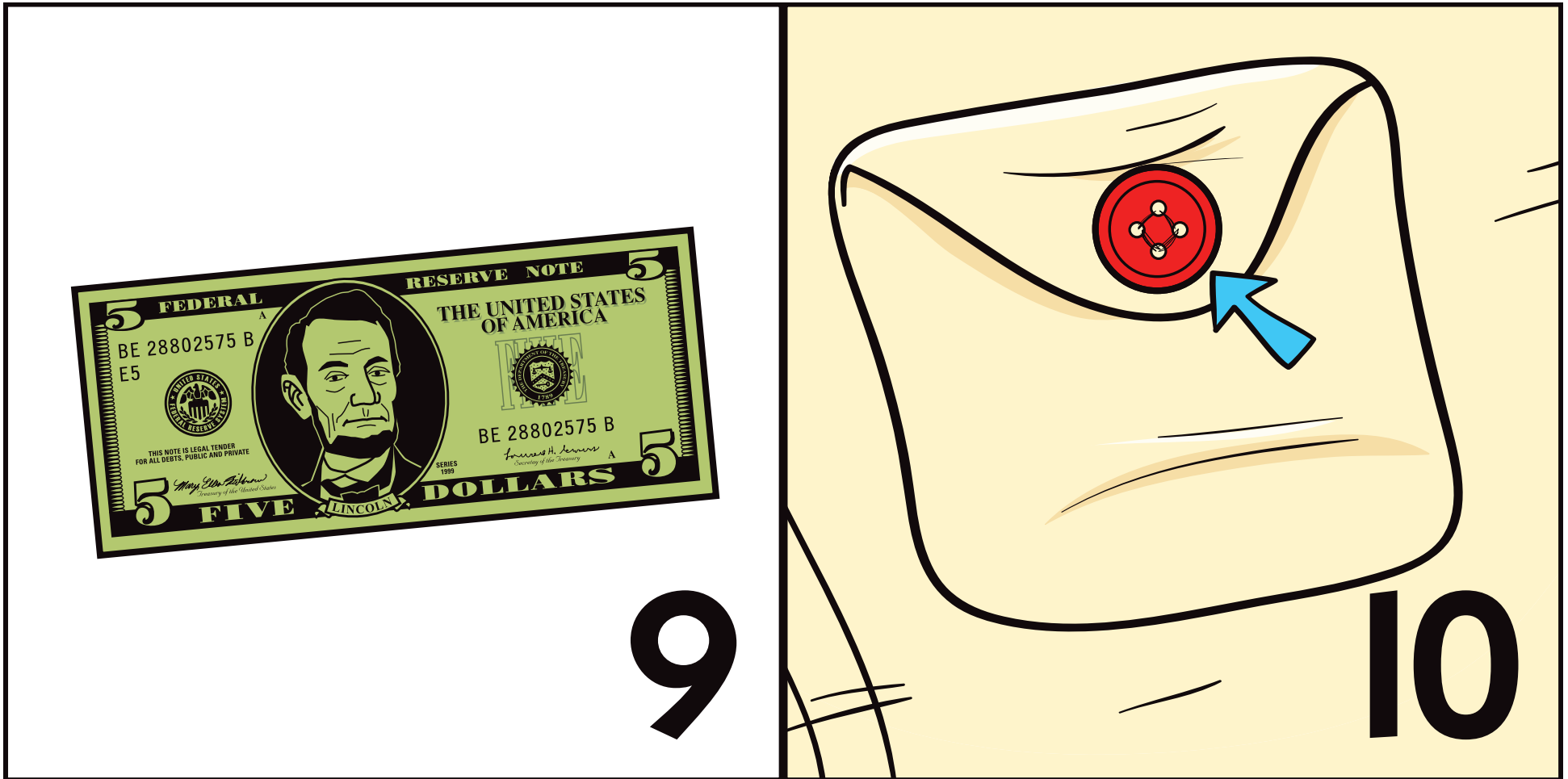
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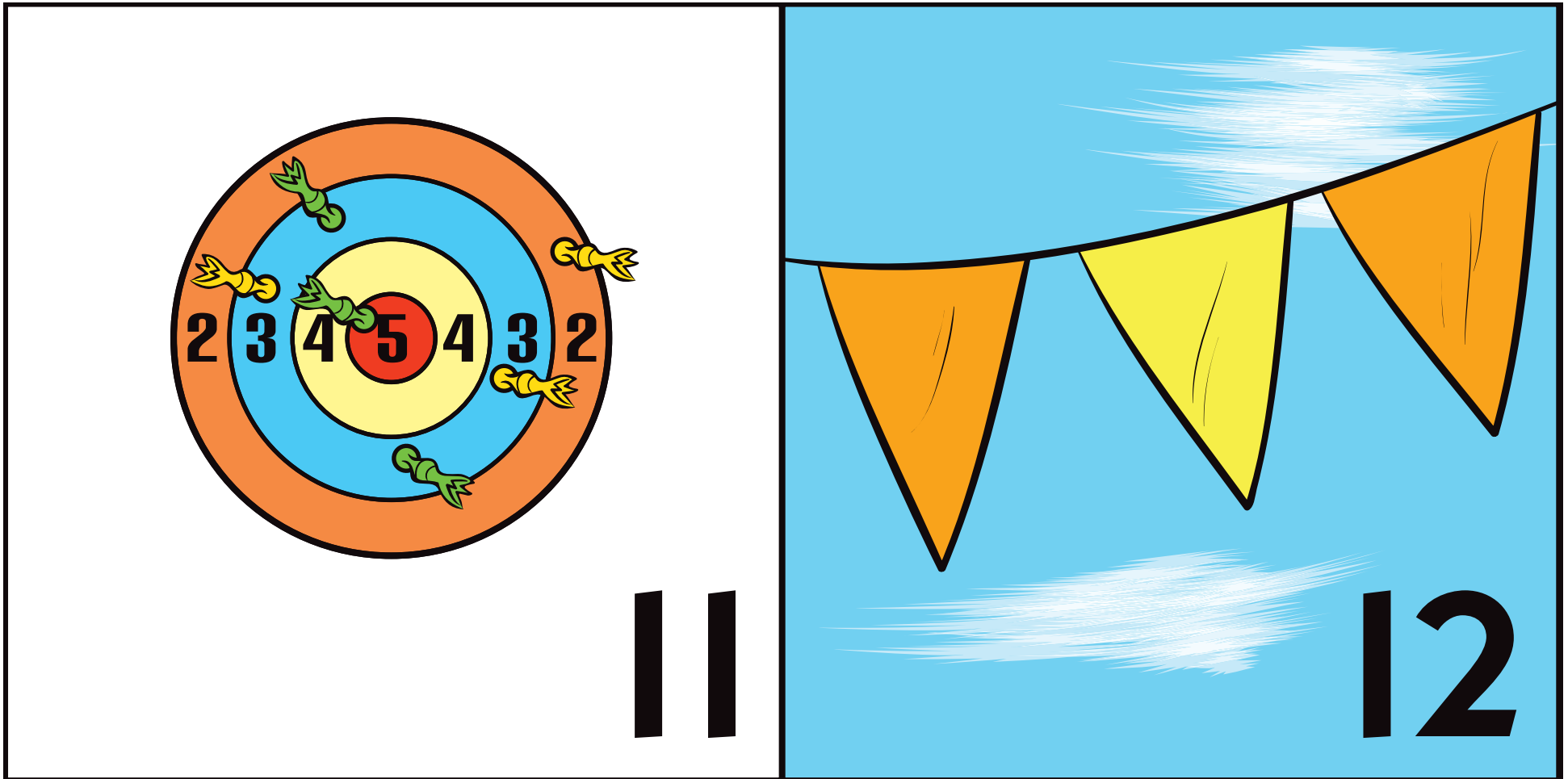
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November 2-D Shapes Around Us Calendar Markers Sheet 5 of 16

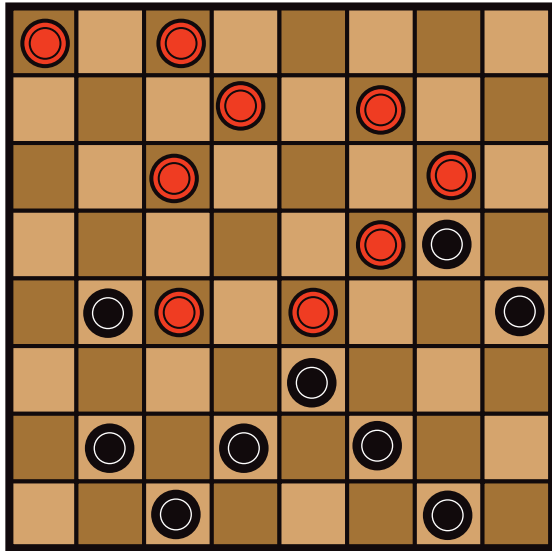


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November 2-D Shapes Around Us Calendar Markers Sheet 6 of 16



November 2-D Shapes Around Us Calendar Markers Sheet 7 of 16



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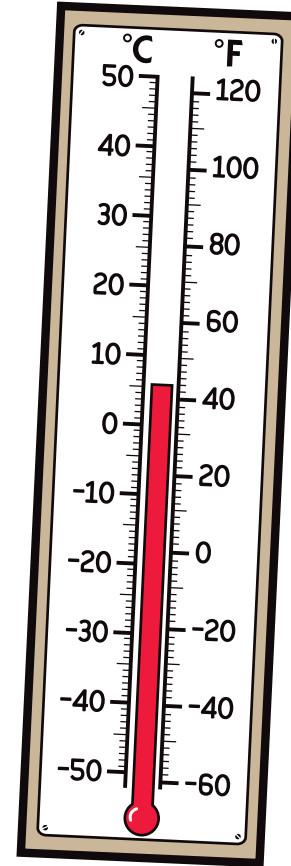
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November 2-D Shapes Around Us Calendar Markers Sheet 8 of 16



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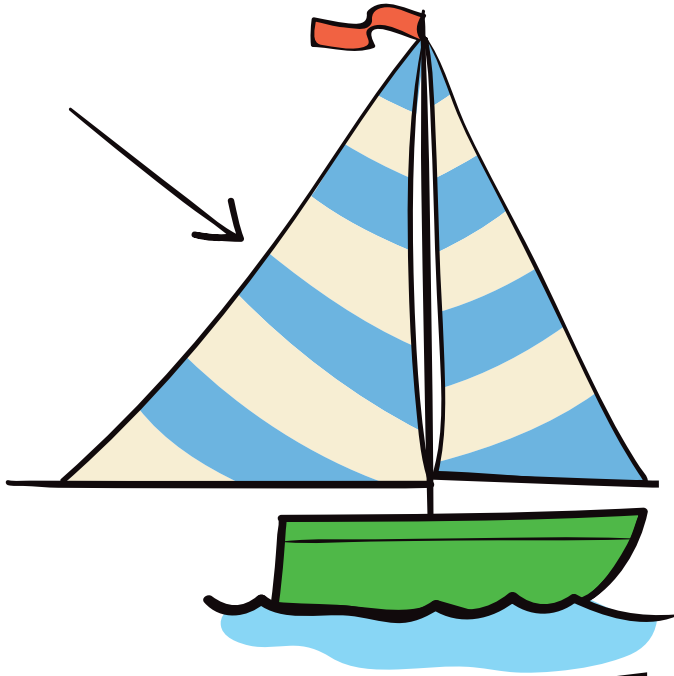


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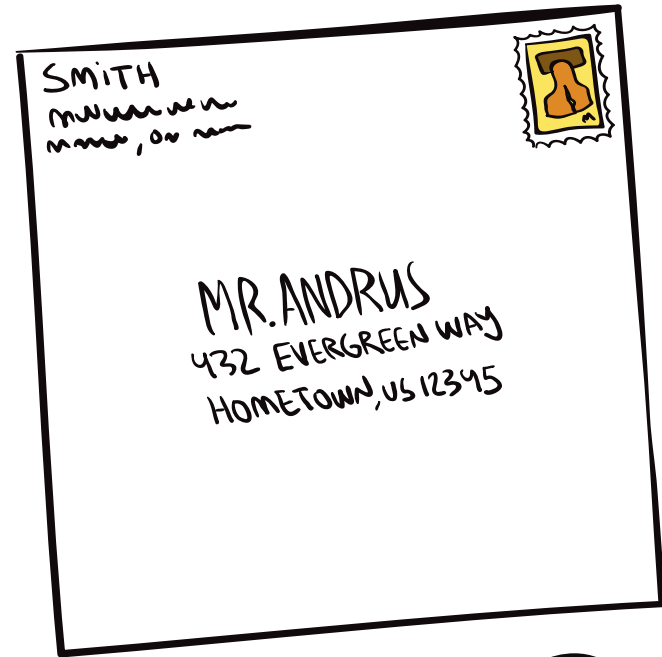
November 2-D Shapes Around Us Calendar Markers Sheet 9 of 16



November 2-D Shapes Around Us Calendar Markers Sheet 10 of 16

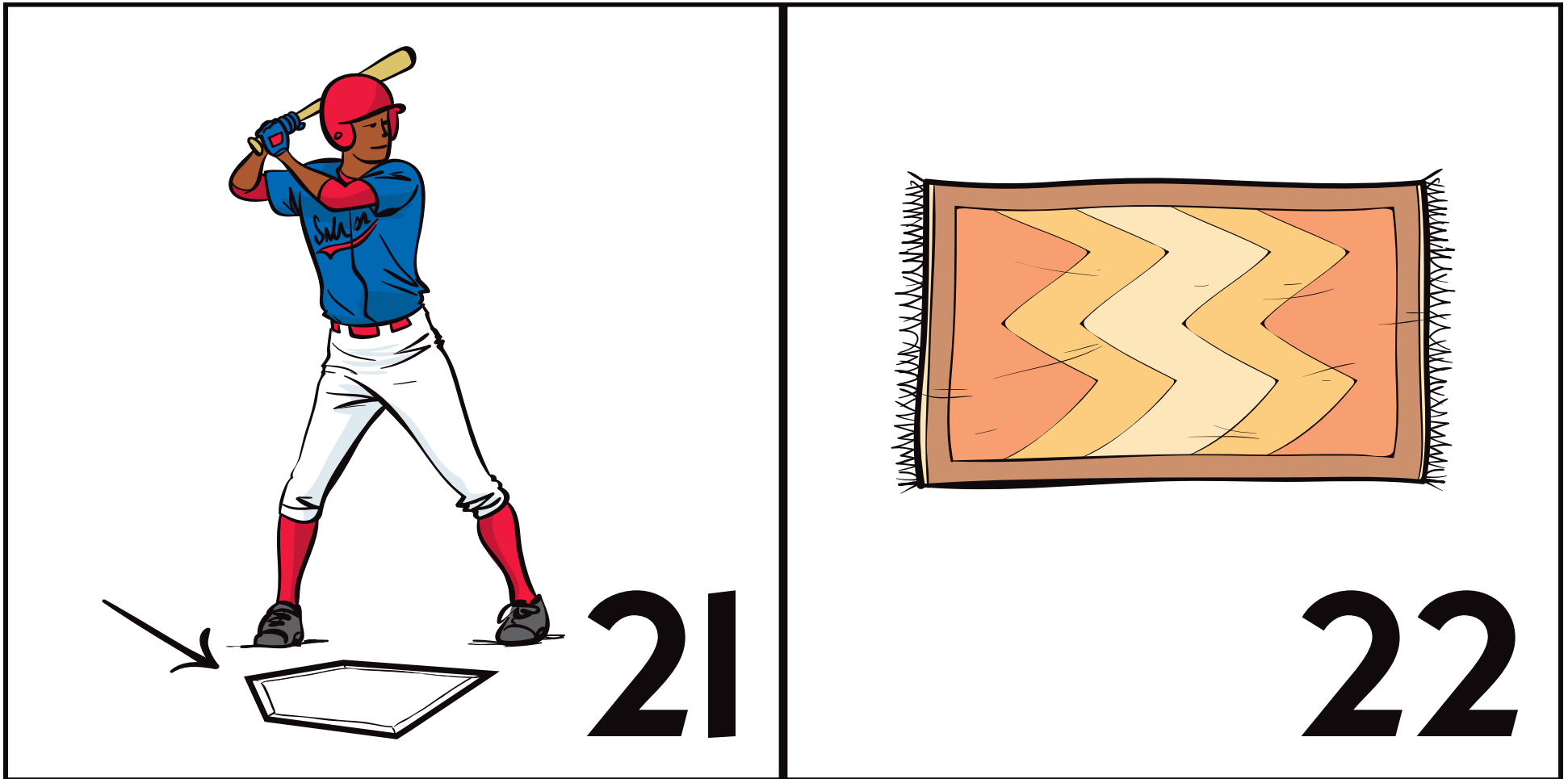


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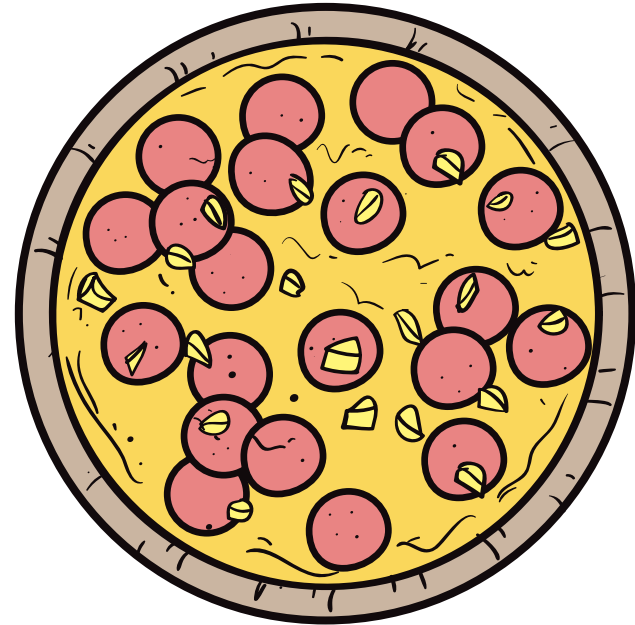
November 2-D Shapes Around Us Calendar Markers Sheet 11 of 16



November 2-D Shapes Around Us Calendar Markers Sheet 12 of 16



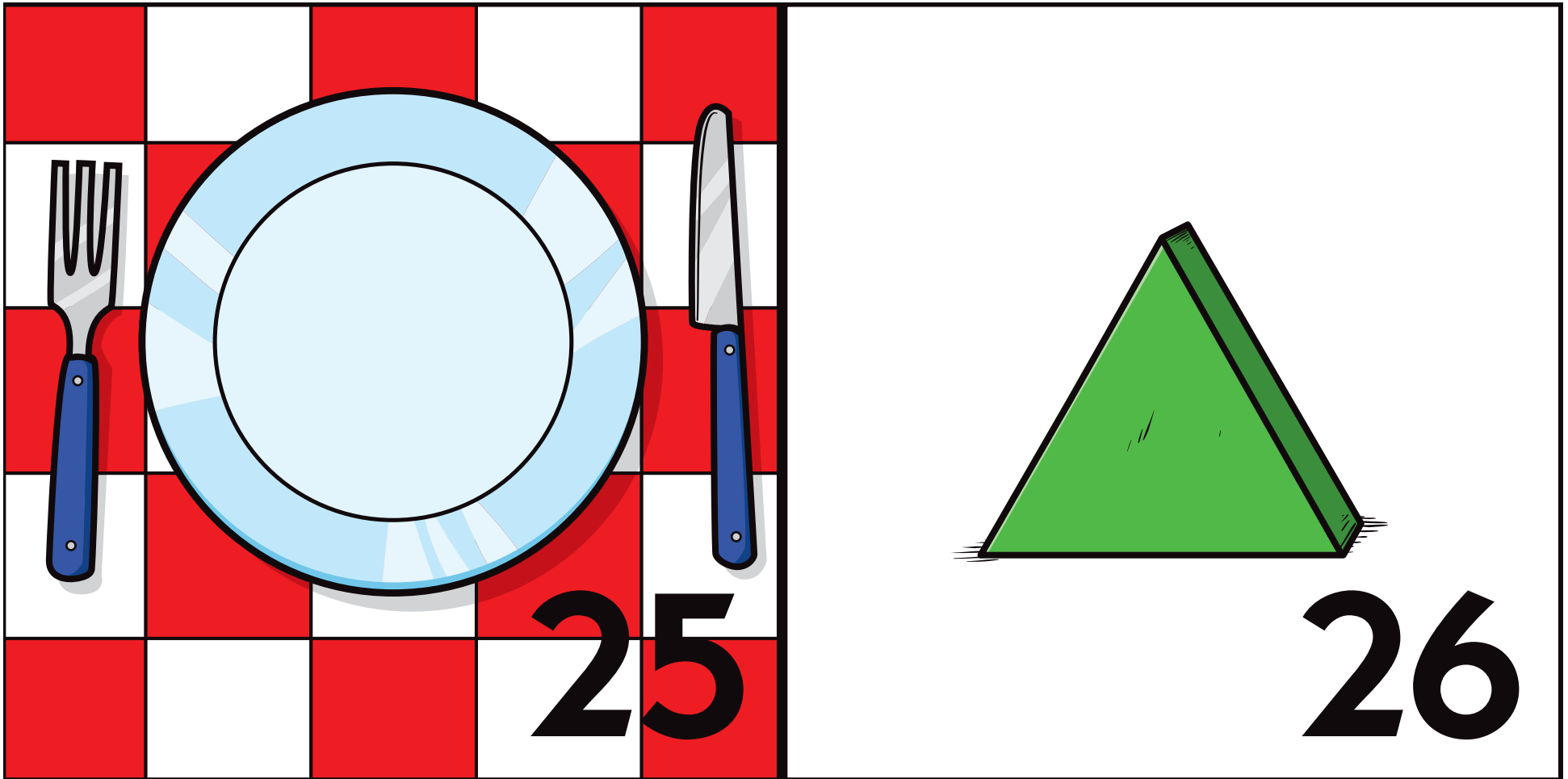
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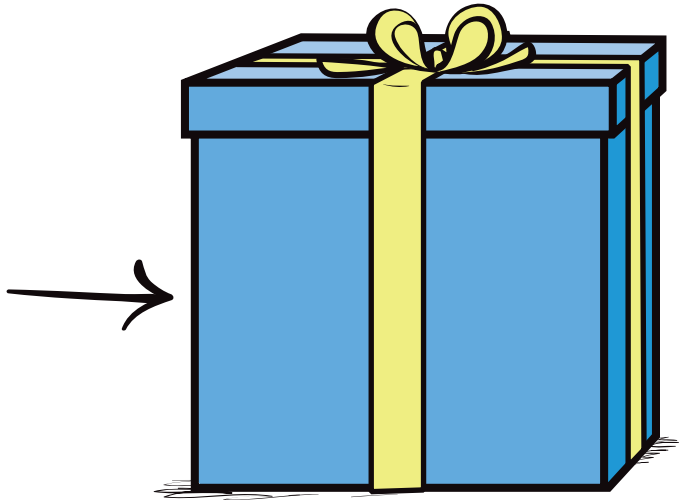
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November 2-D Shapes Around Us Calendar Markers Sheet 13 of 16



November 2-D Shapes Around Us Calendar Markers Sheet 14 of 16

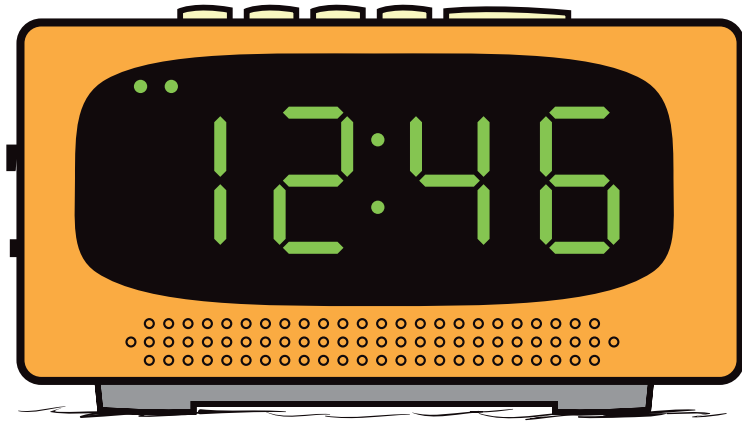


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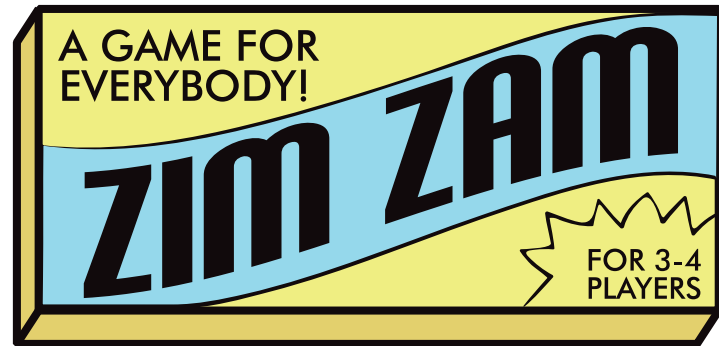


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November 2-D Shapes Around Us Calendar Markers Sheet 15 of 16



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November 2-D Shapes Around Us Calendar Markers Sheet 16 of 16

