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 two-dimensional 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
Set C3 ★ November Calendar Pattern

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 two-dimensional 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://gotomic.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.

<table>
<thead>
<tr>
<th>Date</th>
<th>Object</th>
<th>Shape</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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.

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.)

Calendar Grid Observations

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

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.

**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.
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
NOTE Below is a representation of the November calendar grid. The full-size calendar markers are available at http://gotomic.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.

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

3

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

November 2-D Shapes Around Us Calendar Markers  Sheet 5 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.

November 2-D Shapes Around Us Calendar Markers  Sheet 6 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.

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

![Calendar marker for 13 with a checkered pattern](image1)

![Calendar marker for 14 with a house](image2)
November 2-D Shapes Around Us Calendar Markers  Sheet 8 of 16
November 2-D Shapes Around Us Calendar Markers  Sheet 9 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.

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

19

20

SMITH

MR. ANDRUS
432 EVERGREEN WAY
HOMETOWN, US 12345
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 11 of 16

21

22
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 12 of 16

23

24
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 14 of 16

27

28
November 2-D Shapes Around Us Calendar Markers  Sheet 15 of 16

29

30
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 16 of 16

![Calendar marker](image-url)