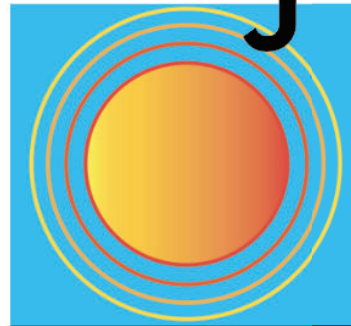
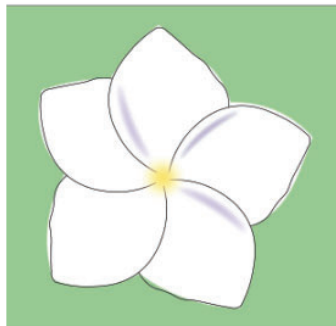


2023 Calendar Math Project



January 2023						
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				

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Students will:

- use math skills in context
- practice adding seven up to 31
- see calendar in greater detail
- work effectively in small groups
- plan & organize multistep project



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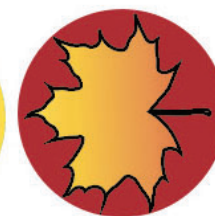
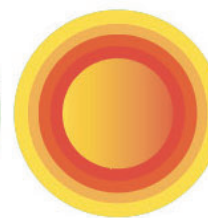
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helps elementary math teachers
captivate students' imaginations

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Ideas for Materials

Image

Tissue paper and glue for collage, paint, markers, or crayons, rulers, stencils, stickers, coloring pages, cookie cutters to trace, scissors, transparent tape,

Calendar Pages

Copy on colored paper to show the season. Decorate with pens, stickers, stamps, stencils, or markers.

Display

Transparent page protectors, tape, glue, paper clips, staples, construction paper backing, contact paper or laminate file folders or shelves to use while working on the project

Hello Teachers,

Thank you for downloading this handout. After decades of teaching, now I am sharing some of the activities I designed for my students and some new ones as well.

Please, check out the self-paced teacher education courses on UnCommon-Core.com.

While you are there, sign up for your free copy of **Colorful Collections: A Mindful Exploration of Proper Fractions**.

Also, visit my Teachers Pay Teachers store UnCommon-Core dot com.

Thank you again. All the best,



Isabelle

Isabelle Hoag M.Ed.
Director of Education
UnCommon-Core.com

Welcome to the 2023 Calendar Project,

There are several choices when it comes to using this project with your students.


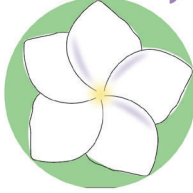


You could:



- Let students work individually, create project groups, or work on one calendar as an entire class. You could make copies of the project group or class collaboration calendars to send home.
- Chose one of the main themes, or give students their choice of themes
 - Focus on Sevens
 - Focus on Seasons
 - Build Your Own Calendar
- Or do something completely unique. The highest degree of complexity would be to give your students blank paper, pencils, erasers, and rulers.

- Reach out to the art teacher for ideas or help making the image for the top of the pages. Make one image for the entire year, or one image for each of the four seasons.
- Consider laminating the images to ensure they last throughout the year.
- Work as a class to write a letter to parents and caretakers explaining the academic value of the project ~ skills practiced, questions answered and remaining, along with an outline of the time and work that went into the 2023 Calendar Project.

Example of completed project with four different images. Each picture is used for three months.

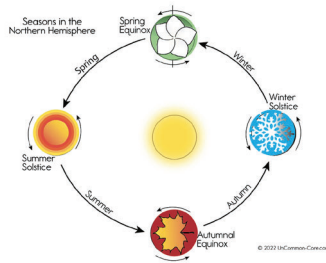
<p><i>Winter</i></p> 	<p><i>Spring</i></p> 	<p><i>Summer</i></p> 	<p><i>Autumn</i></p> 																																																																																																																																																																								
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Four examples of completed projects with one single image for the entire year.

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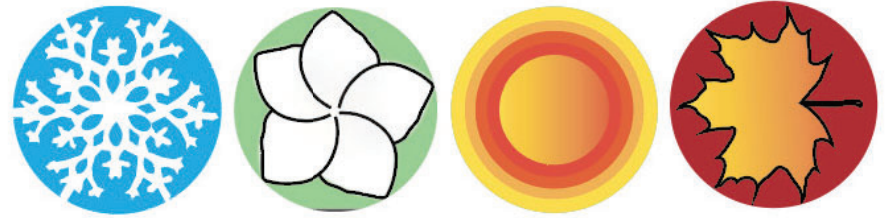
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2023 Calendar Project ~ Focus on Sevens

There are several choices when it comes to using this project with your students. You could:



- Print pages 9 to 20 to focus on adding seven, print pages 21 to 32 to focus on subtracting seven, or print six of each. Make a single sided copy of each calendar page for every student.
- Print pages 7 and 8 back to back. Students only need half of this sheet, so make fewer copies, accordingly. Use thick paper as this stencil will be used often.
- You might want to keep student work in a special folder until the calendar is finished and assembled.
- Glue two transparent sheet protectors together horizontally, one above the other. Slide the picture into the top. Place the current month's page under that. Store extra pages in back of the two pages that show.

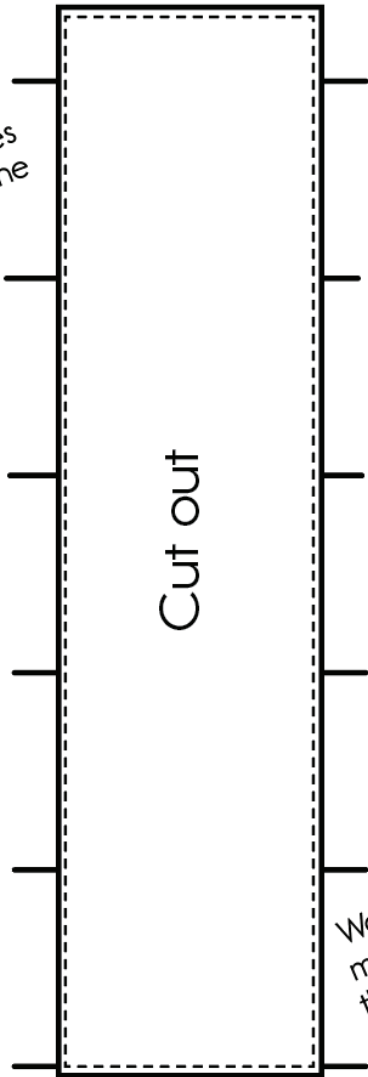
- There are seven days in the week, continents, seas, and colors in the rainbow. There were seven wonders of the ancient world. The word 'seven' in many languages is similar to the English word. Any of these could be used in designs for the top of a calendar.
- There are six sides on dice ~ however the numbers on opposite sides add up to seven. For some extra practice, have students roll a single die, record the number on top, and calculate the number on the opposite side. If three dots are on top, students figure out which number plus three is seven.

Add Seven

Cut out center of guide. Place guide over a column in the calendar. Add seven to the number on top.

Write the sum in the box below.

Match these lines with those on the calendar.



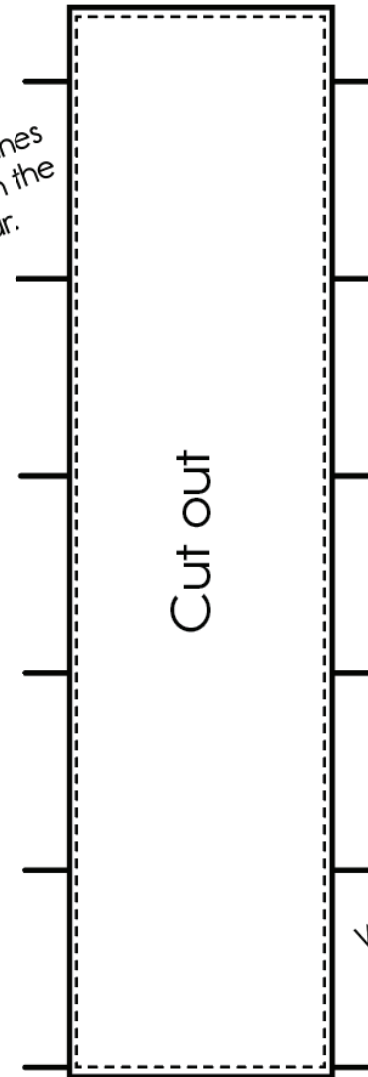
Watch out! How many days does this month have?

Add Seven

Cut out center of guide. Place guide over a column in the calendar. Add seven to the number on top.

Write the sum in the box below.

Match these lines with those on the calendar.



Watch out! How many days does this month have?

Subtract Seven

Place the guide over a column of your calendar. Subtract seven from the last number in the column. Write the

difference in the box above.

Continue until the column is complete.

Subtract Seven

Place the guide over a column of your calendar. Subtract seven from the last number in the column. Write the

difference in the box above.

Continue until the column is complete.

January 2023

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

February 2023

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

March 2023

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

April 2023

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

May 2023

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

June 2023

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

July 2023

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

August 2023

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

September 2023

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

October 2023

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

November 2023

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

December 2023

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

January 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			25	26	27	28
29	30	31				

February 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			22	23	24	25
26	27	28				

March 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						25
26	27	28	29	30	31	

April 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
23 30	24	25	26	27	28	29

May 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				25	26	27
28	29	30	31			

June 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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July 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
23 / 30	24 / 31	25	26	27	28	29

August 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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September 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
24	25	26	27	28	29	30

October 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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November 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					24	25
26	27	28	29	30		

December 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
24 / 31	25	26	27	28	29	30

2023 Calendar Project ~ Focus on Seasons

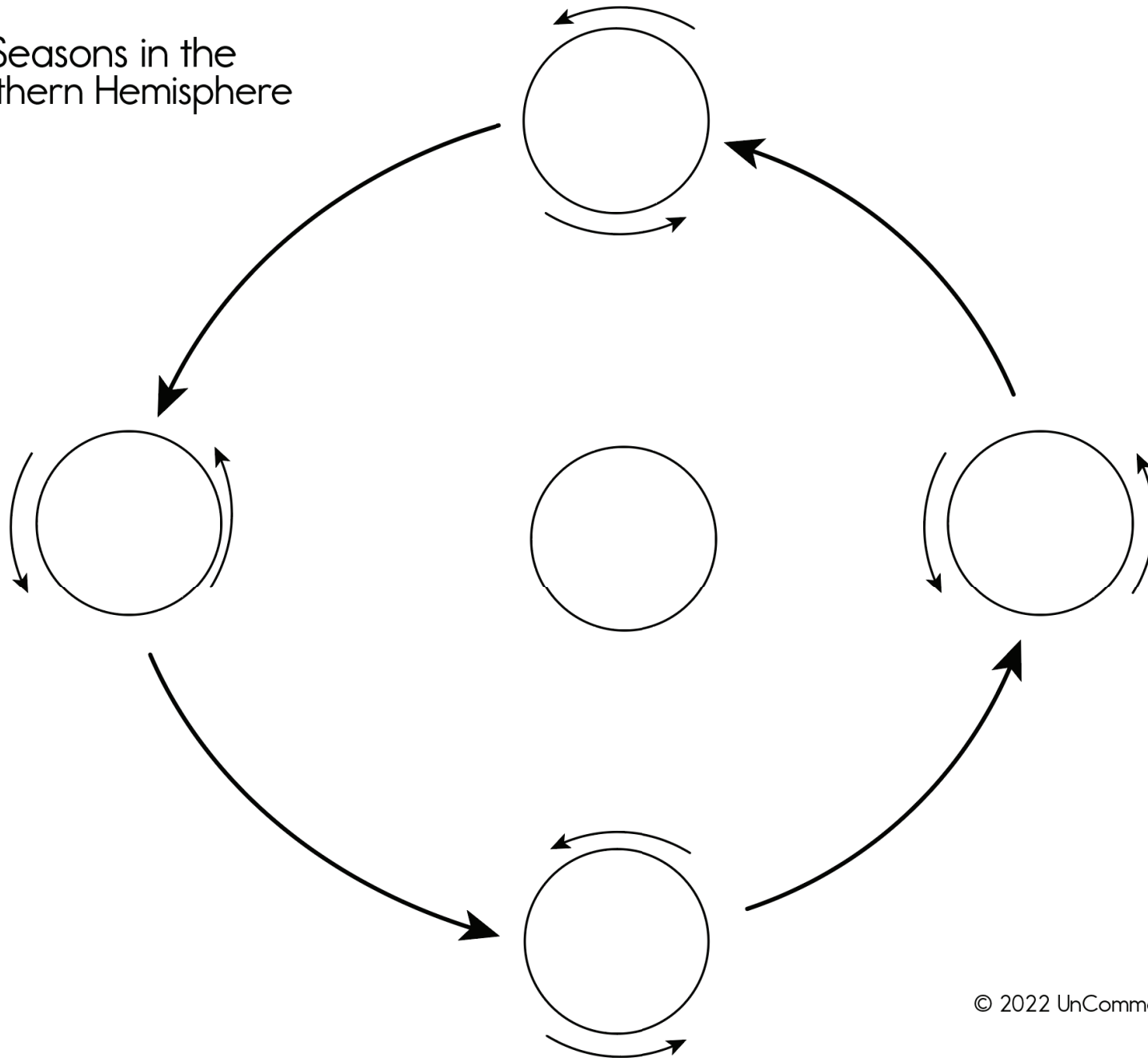
Ask your students how the seasons in the northern hemisphere compare to those in the southern hemisphere.

- There is a great deal of confusion about why we have seasons. Keep checking your students' understanding during this project.
- Make sure they know that seasons are caused by the tilt of the earth's axis as it travels around the sun like a wobbly top. When the north pole is leaning toward the sun, the northern hemisphere has summer. This is when the southern hemisphere has winter.
- Seasons are **not** caused by any change in the distance between the sun and the earth.

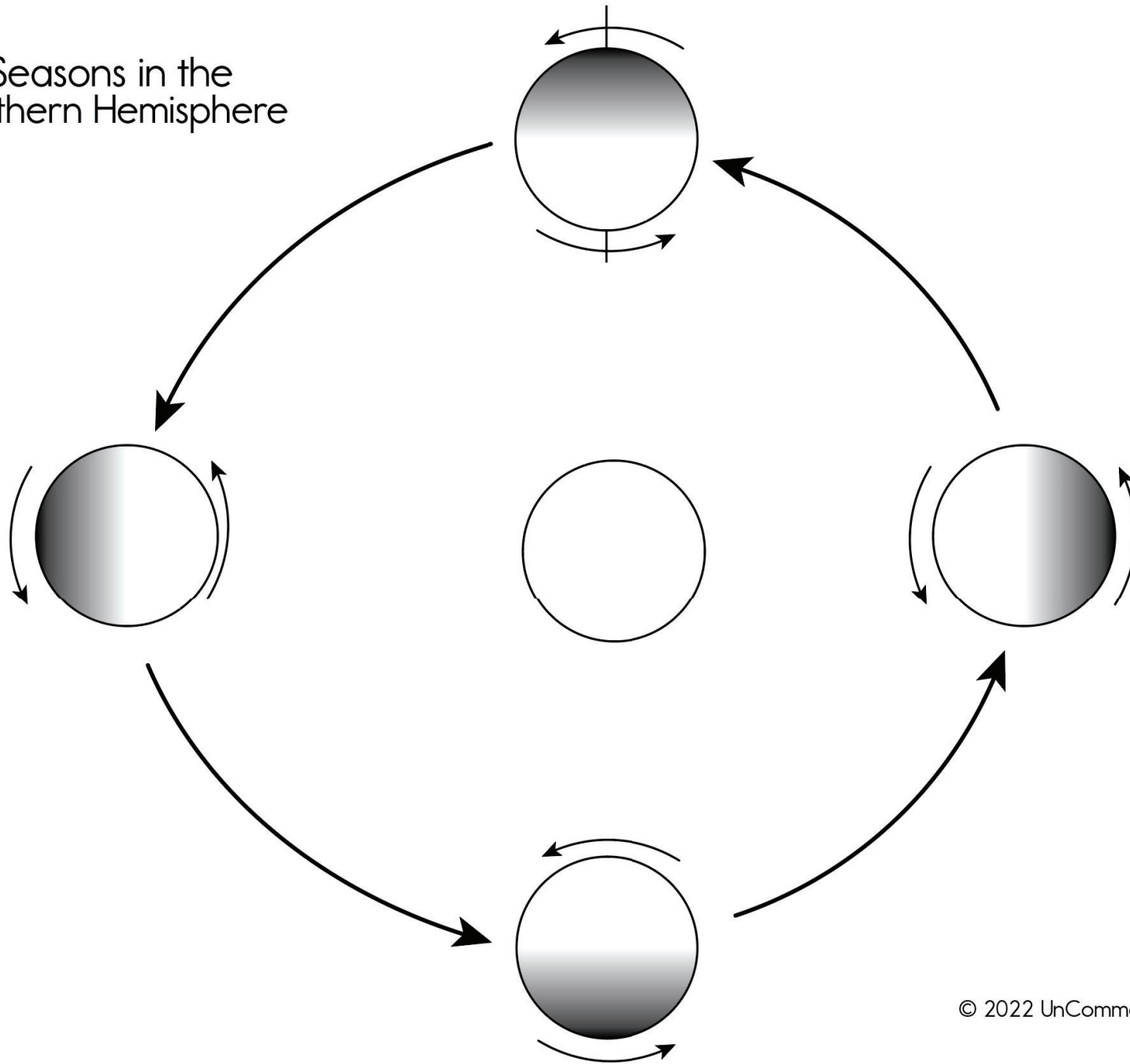


- Challenge your students to create an image that explains the cause of the seasons. If you have enough time, give your students a blank sheet of paper. Otherwise, give them a template such as the ones below to help them get started.
- Have them write a description to go with their image. This could be a whole class activity.
- Let the students mark the winter solstice, spring equinox, summer solstice, and fall equinox on the date they each occur. They may also want to mark daylight savings, full moons, eclipses, or other interesting events on those dates as well.

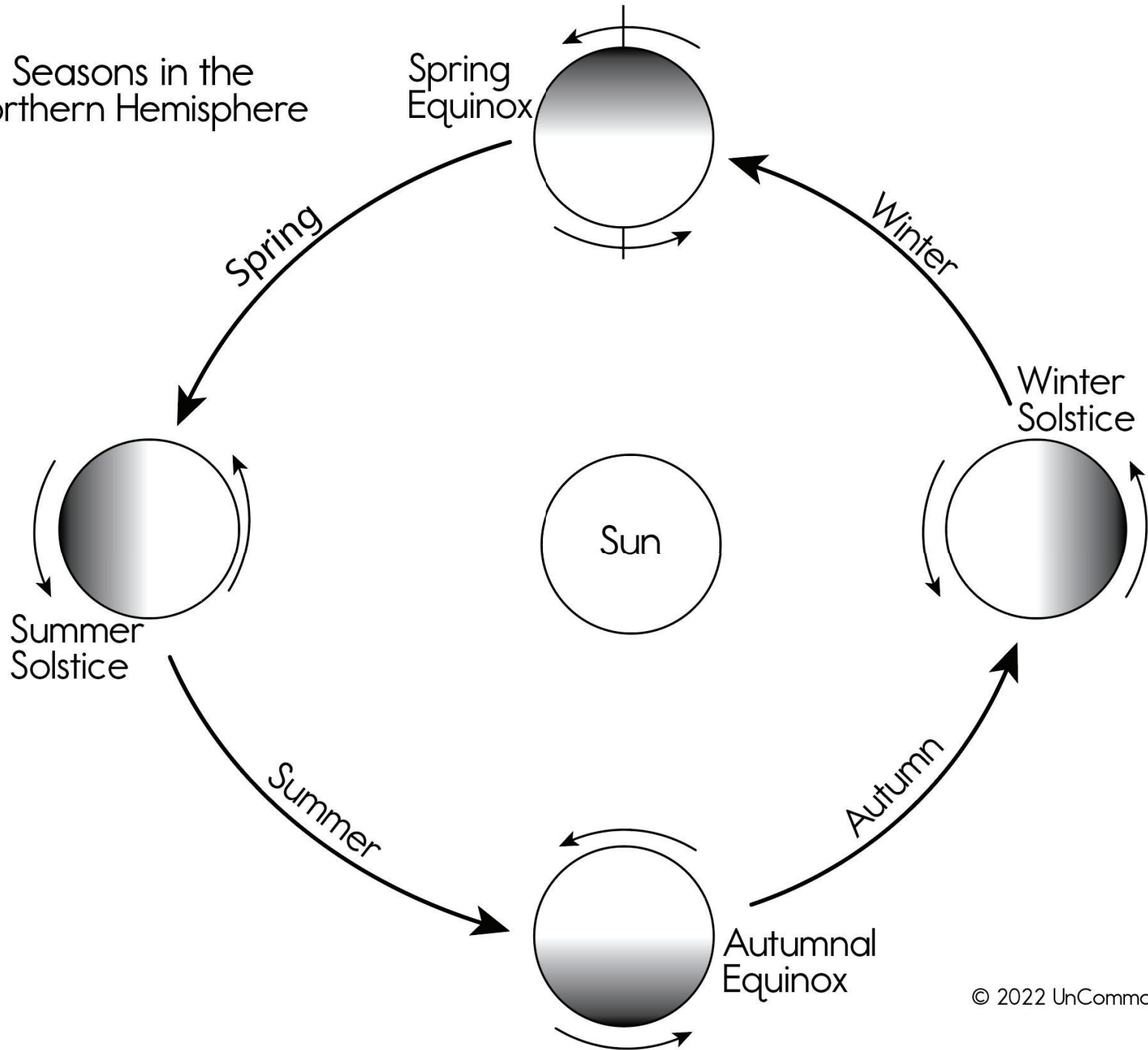
Seasons in the Northern Hemisphere



Seasons in the Northern Hemisphere



Seasons in the Northern Hemisphere



2023 Calendar Project ~ Build Your Own

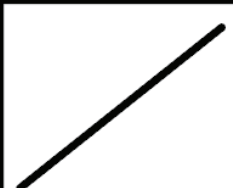
Look at the calendar pieces on the following pages. Decide which ones to use. Not everyone has to use the same pieces. You could:

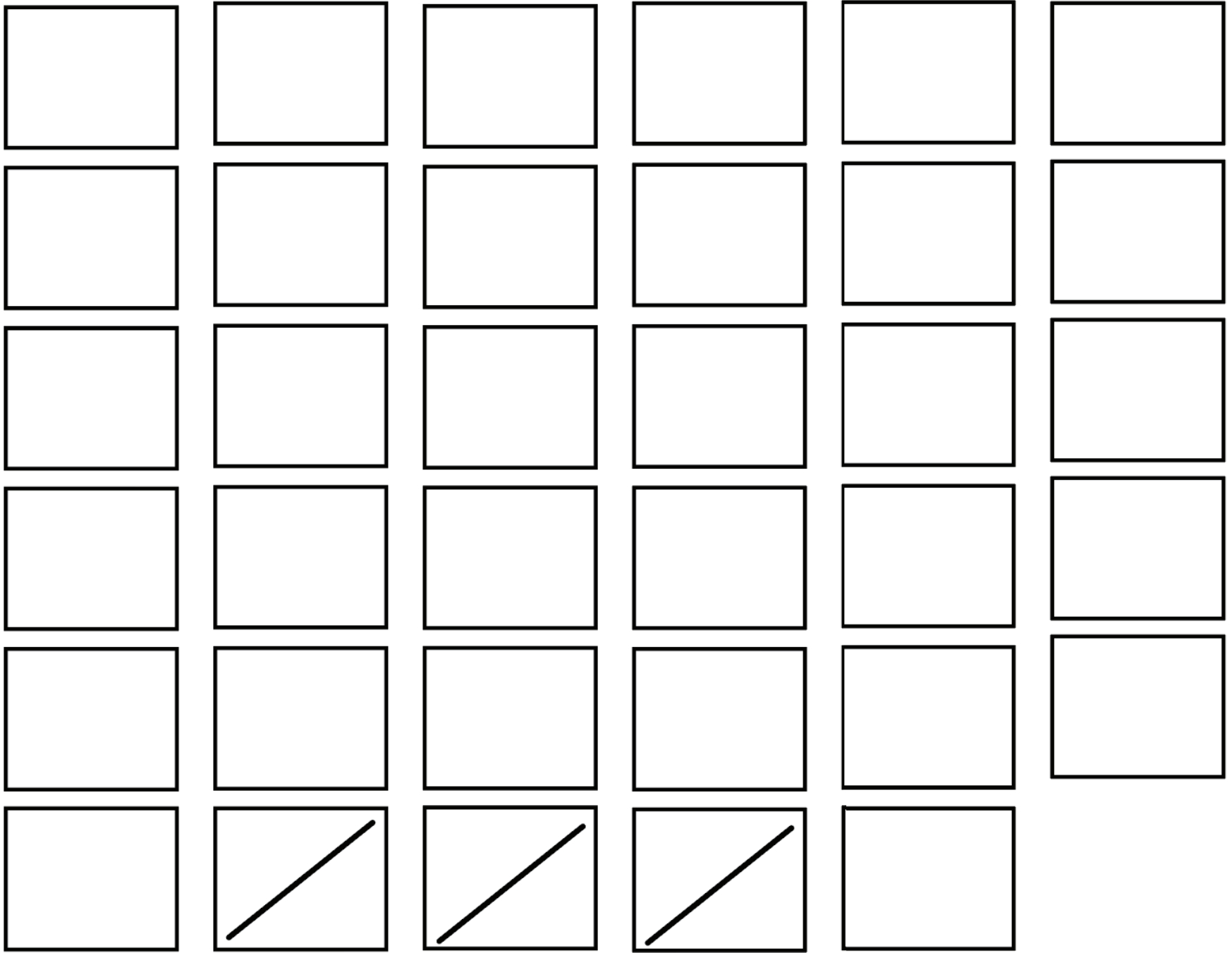


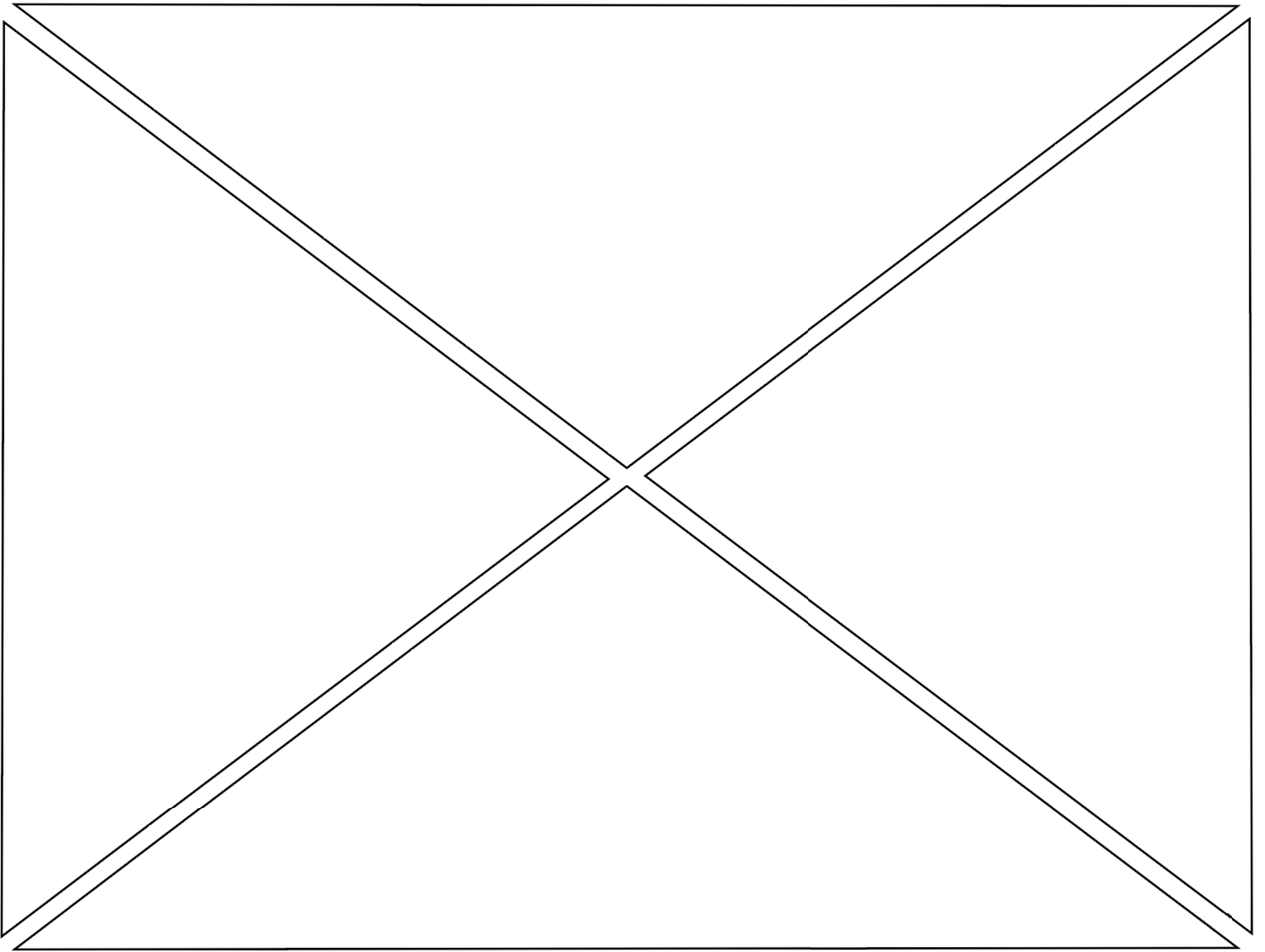
- Give your students a blank page. Have them make a template that can be used for every month of the year.
- Explain that any day of the week could be the first or last day of a month.
- Have students design their templates independently or in groups. Continue to ask questions to help them create a useful design.
- What if the first day of the month is on Friday and that month has 31 days? Do you need more rows? What else could you do?

- Why can't we use the same calendar year after year? Compare two or three years of the school district's calendars as examples.
- Which dates will you mark on your calendar? Print out a list of dates for your students or let them research dates on their own.
- Make 12 copies of the templates they created for each student. Have each student create a single image for the top of their calendar.
- Encourage students to reflect on their solutions to the challenges involved with building their own 2023 calendar.

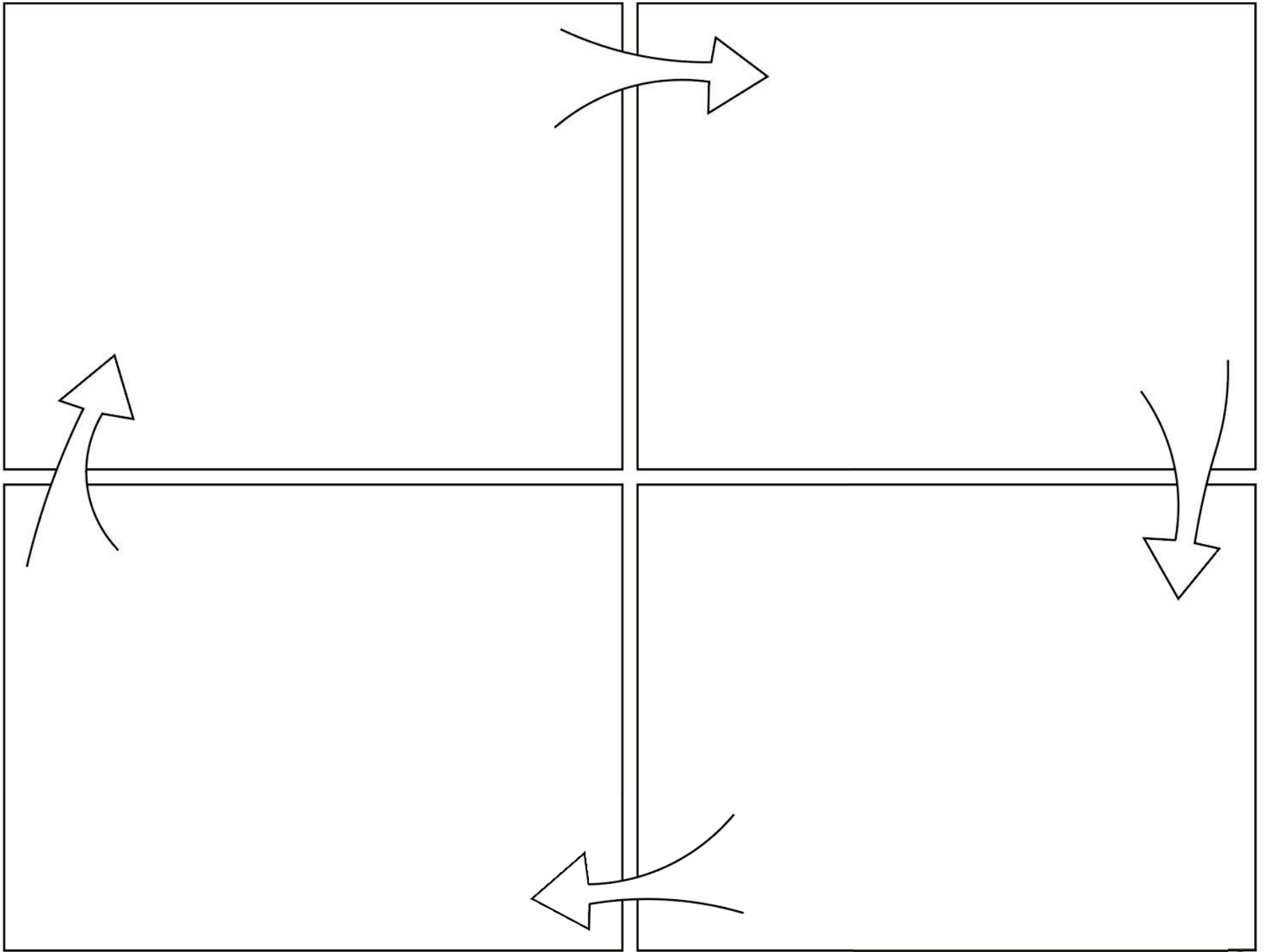
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	$\frac{23}{30}$	$\frac{24}{31}$			

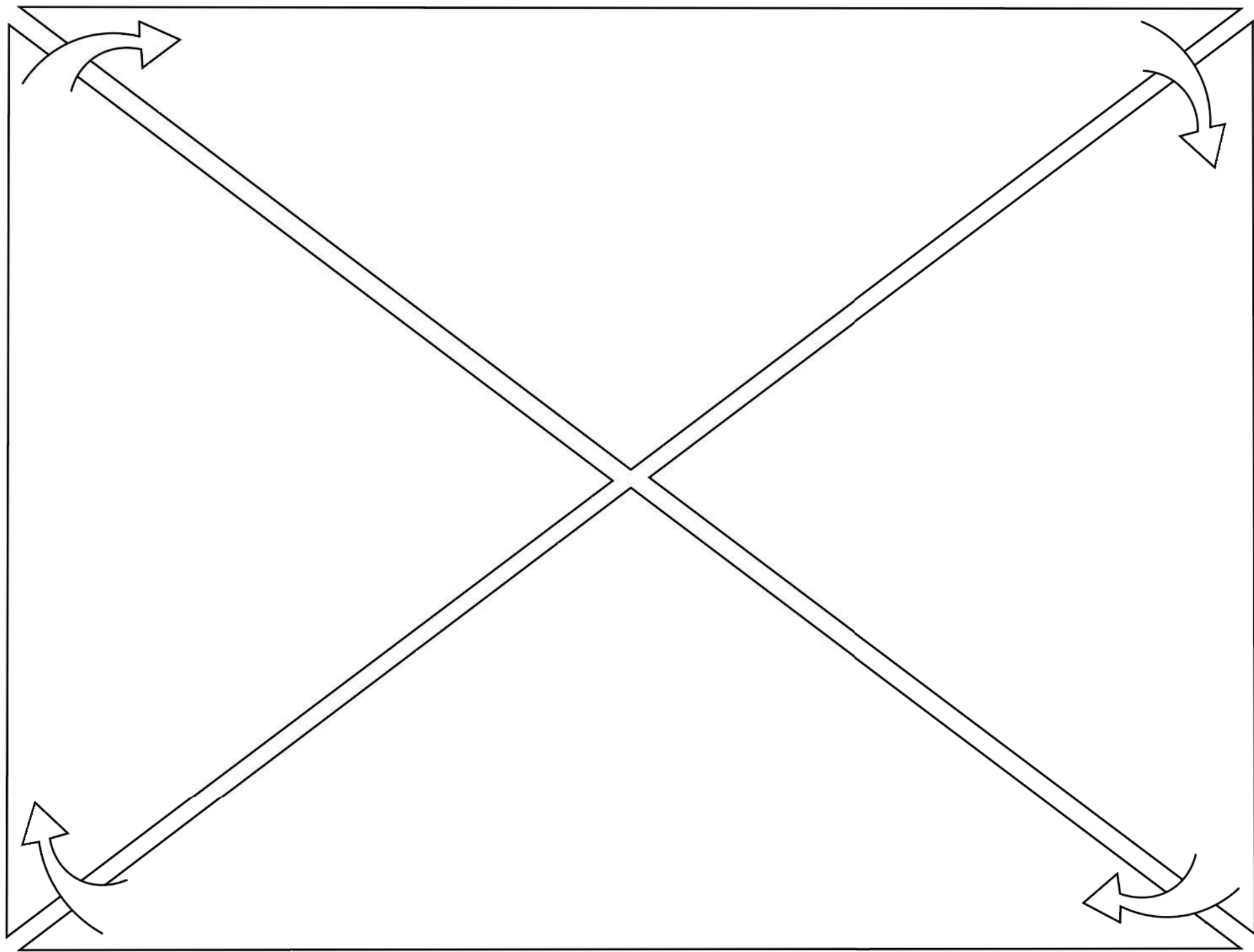
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	$\frac{23}{30}$	$\frac{24}{31}$			











January 2023

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				

February 2023

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				

March 2023

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	

April 2023

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 30	24	25	26	27	28	29

May 2023

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			

June 2023

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	

July 2023

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 30	24 31	25	26	27	28	29

August 2023

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		

September 2023

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

October 2023

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				

November 2023

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		

December 2023

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 / 31	25	26	27	28	29	30

Resources

Focus on Seven

[Make math facts sticky](#)

[How much does our working memory hold?](#)

Focus on Seasons

[Physical geography net](#)

[National Geographic: Solstice](#)

Build Your Own

[Federal Holiday list](#)

[NASA Solar System](#)

[Times and Dates for 2023](#)

Basic Choices:

Image

Create one for the entire year.

Create one for each season.

Calendar Pages

Let students make their own.

Add dates and decoration to prepared pages.

Have a mix of pages.

Display

Tape calendar pages under laminated pictures.

Slide picture and pages into sheet protectors.

Send home with magnets for the fridge.

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