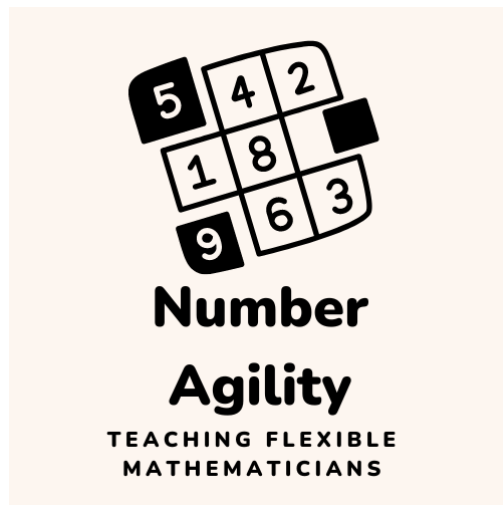


# Calendar Quest Unit 2 - Multiple Representations of Numbers

## Fibonacci Sequence



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# Credits

## Set up

1. Print one copy of the calendar pieces on white cardstock
2. Cut out the calendar pieces
3. Place the cards face down on a calendar or calendar pocket chart
4. Create the Calendar Quest observation chart – fill in the dates only
5. Display any days that have already passed facing out

## Daily Activities

### *Day 1 - Introducing the Calendar Quest*

1. Gather students where they can clearly see the Calendar Quest and blank observations chart.
2. Invite students to share what they notice about the Callender Quest and observations chart
3. Invite students to share what they wonder about the Callender Quest and observations chart
4. Reveal the cards for the days that have already passed (IE if it's the 5<sup>th</sup> display cards for the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup>.)
5. Make observations about the cards that have already been revealed
6. Fill in the observation chart for the days that have already been revealed(date, form, number)
7. Make predictions for today's card
8. Reveal todays card
9. Share what you notice and wonder
10. Make predictions for what could be on the card tomorrow

### *Days 2-11 Updates*

- Repeat as for day one

### *Day 12 changes*

1. Gather students where they can clearly see the calendar quest and observation chart

### *Final day of the month*

- Have students complete the calendar extender sheet

## Calendar Quest Key and Observation Chart

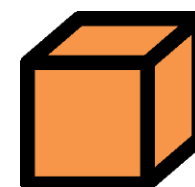
Day	Number	Form	Increase
1	zero	word	
2	1	block	1
3	1	standard	0
4	2	expanded	1
5	3	chart	1
6	5	word	2
7	8	block	3
8	13	standard	5
9	21	expanded	8
10	34	chart	13
11	55	word	21
12	89	block	34
13	144	standard	55
14	233	expanded	89
15	377	chart	144
16	610	word	233
17	987	block	377
18	1,597	standard	610
19	2,584	expanded	987
20	4,181	chart	1,597
21	6,765	word	2,584
22	10,946	block	4,181
23	17,711	standard	6,765
24	28,657	expanded	10,946
25	46,368	chart	17,711
26	75,025	word	28,657
27	121,393	block	46,368

28	196,418	standard	75,025
29	317,811	expanded	121,393
30	514,229	chart	196,418
31	832,040	word	317,811

Calendar Quest Pieces

**ZERO**

**1**



**2**

**1**

**3**

**2+0**

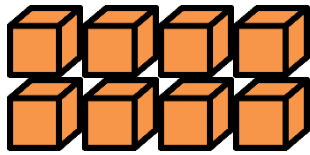
**4**

<b>100 000s</b>	
<b>10 000s</b>	
<b>1 000s</b>	
<b>100s</b>	
<b>10s</b>	
<b>1s</b>	<b>3</b>
<b>5</b>	

**FIVE**

**6**





7

13

8

**20+1**

**9**

**100 000s**

**10 000s**

**1 000s**

**100s**

**10s**

**1s**

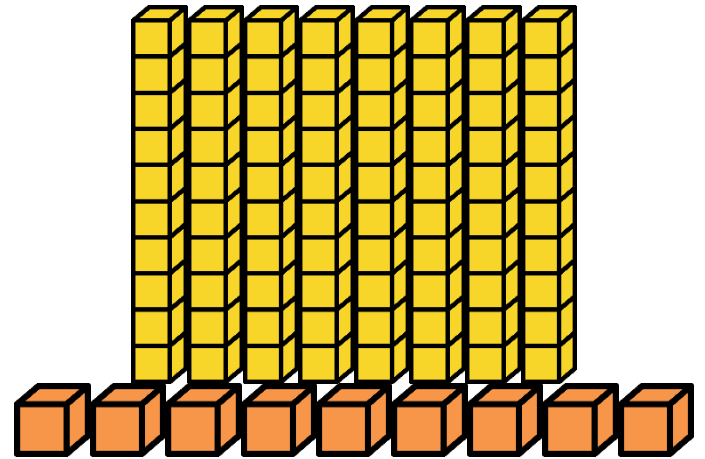
**3**

**4**

**10**

**Fifty-five**

**11**



**12**

**144**

**13**

$$\begin{array}{r} 200 + 30 \\ + 3 \end{array}$$

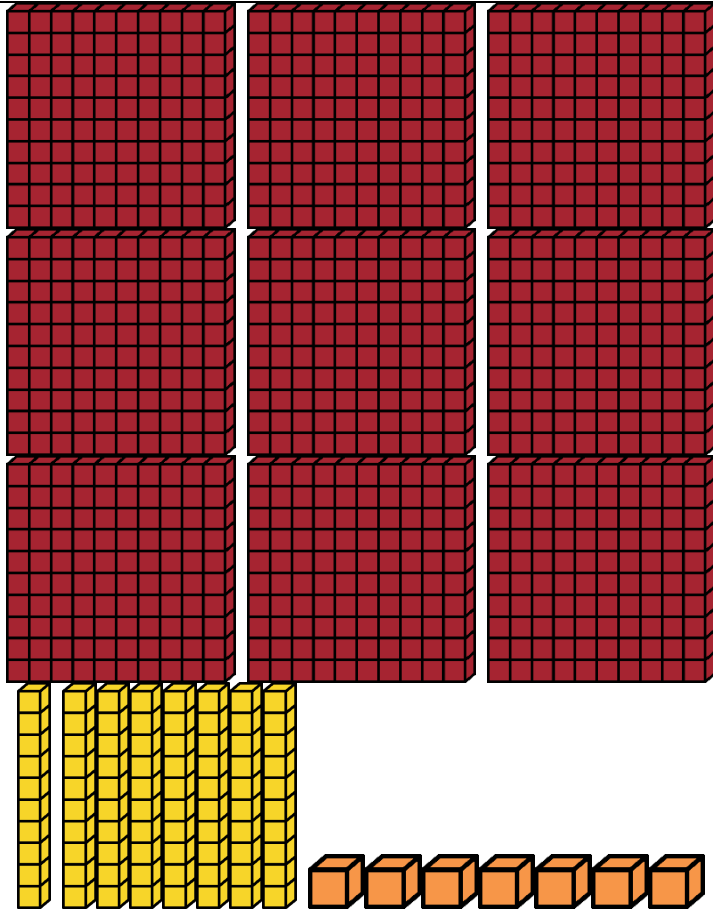
**14**

<b>100 000s</b>	
<b>10 000s</b>	
<b>1 000s</b>	
<b>100s</b>	<b>3</b>
<b>10s</b>	<b>7</b>
<b>1s</b>	<b>7</b>

**15**

**SIX  
HUNDRE  
D TEN**

**16**



17

1 597

18

$$2000 + 500 + 80 + 4$$

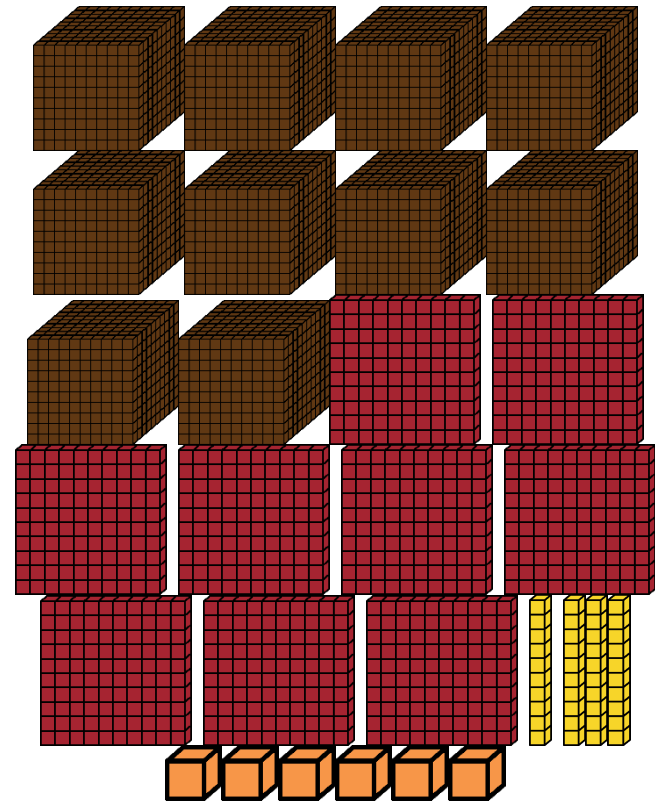
19

<b>100 000s</b>	
<b>10 000s</b>	
<b>1 000s</b>	<b>4</b>
<b>100s</b>	<b>1</b>
<b>10s</b>	<b>8</b>
<b>1s</b>	<b>1</b>

20

**SIX THOUSAND  
SEVEN  
HUNDRED  
SIXTY-FIVE**

21



22



**17**

**711**

**23**

**20 000 +**

**8000 +**

**600+ 50**

**+7**

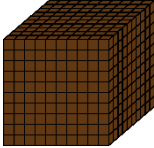
**24**

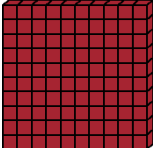
<b>100 000s</b>	
<b>10 000s</b>	<b>4</b>
<b>1 000s</b>	<b>6</b>
<b>100s</b>	<b>3</b>
<b>10s</b>	<b>6</b>
<b>1s</b>	<b>8</b>


**25**

**SEVENTY-FIVE  
THOUSAND  
TWENTY FIVE**

**26**

121 X 

3 X 

9X 

3X 

27

196

418

28

**300 000 +  
10 000 +  
7000 + 800  
+ 10 + 1**

**29**

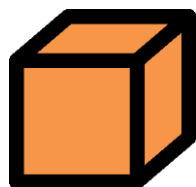
<b>100 000s</b>	<b>5</b>
<b>10 000s</b>	<b>1</b>
<b>1 000s</b>	<b>4</b>
<b>100s</b>	<b>2</b>
<b>10s</b>	<b>2</b>
<b>1s</b>	<b>9</b>

**30**

**EIGHT  
HUNDRED  
THIRTY-TWO  
THOUSAND  
FORTY**



**ZERO**



**1**

**2**

**1**

**2+0**

**3**

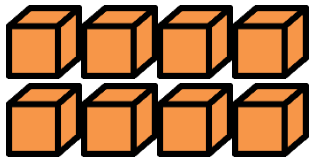
**4**

<b>100 000s</b>	
<b>10 000s</b>	
<b>1 000s</b>	
<b>100s</b>	
<b>10s</b>	
<b>1s</b>	<b>3</b>

**5**

**FIVE**

**6**



**7**

**13**

**8**



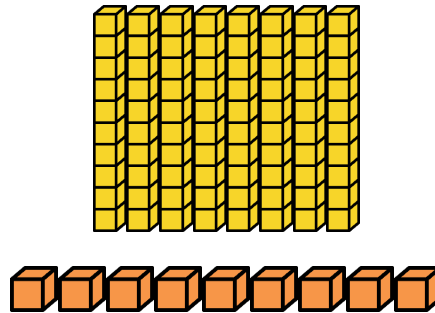
**20+1**

<b>100 000s</b>	
<b>10 000s</b>	
<b>1 000s</b>	
<b>100s</b>	
<b>10s</b>	<b>3</b>
<b>1s</b>	<b>4</b>

**9**

**10**

**Fifty-five**



**11**

**12**

**144**

**200 + 30 + 3**

**13**

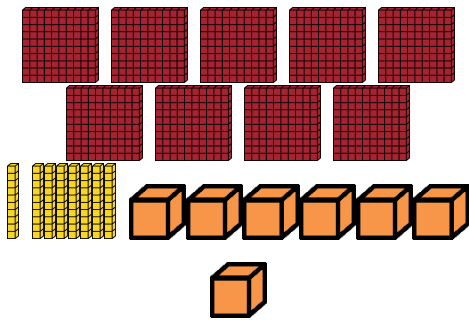
**14**

<b>100 000s</b>	
<b>10 000s</b>	
<b>1 000s</b>	
<b>100s</b>	<b>3</b>
<b>10s</b>	<b>7</b>
<b>1s</b>	<b>7</b>

**SIX HUNDRED  
TEN**

**15**

**16**



**17**

**1 597**

**18**

$$2000 + 500 + 80 + 4$$

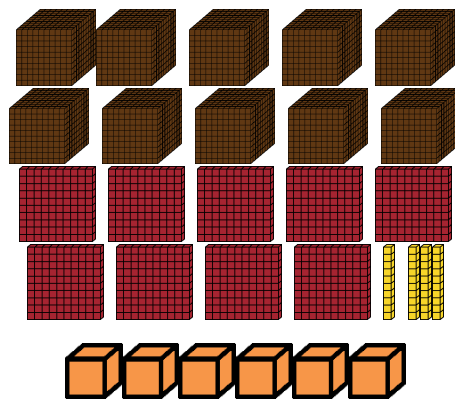
**19**

100 000s	
10 000s	
1 000s	4
100s	1
10s	8
1s	1

**20**

**SIX THOUSAND  
SEVEN  
HUNDRED  
SIXTY-FIVE**

**21**



**22**

**17 711**

**23**

**20 000 + 8000 +  
600 + 50 + 7**

**24**


100 000s	
10 000s	4
1 000s	6
100s	3
10s	6
1s	8

25

**SEVENTY-FIVE  
THOUSAND  
TWENTY FIVE**

26

121 X 

3 X 

9X 

3X 

27

196 418

28

$$300\ 000 + 10\ 000 \\ + 7\ 000 + 800 + 10 \\ + 1$$

**29**

<b>100 000s</b>	<b>5</b>
<b>10 000s</b>	<b>1</b>
<b>1 000s</b>	<b>4</b>
<b>100s</b>	<b>2</b>
<b>10s</b>	<b>2</b>
<b>1s</b>	<b>9</b>

**30**

**EIGHT HUNDRED  
THIRTY-TWO  
THOUSAND  
FORTY**

**31**

# Calendar Extender

Name: \_\_\_\_\_ Month: \_\_\_\_\_ Pattern: \_\_\_\_\_

Complete one box for each of the next 8 days. Make sure you include the date, and all elements of the pattern.
