

# Multiple Representations of Number Counting By 2

Monthly Math Calendar Patterns

Aligned with the BC Math Curriculum

## Pattern overview

date	number	representation
1	2	word
2	4	numeral
3	6	base 10 blocks
4	8	word
5	10	numeral
6	12	base 10 blocks
7	14	word
8	16	numeral
9	18	base 10 blocks
10	20	word
11	22	numeral
12	24	base 10 blocks
13	26	word
14	28	numeral
15	30	base 10 blocks
16	32	word
17	34	numeral
18	36	base 10 blocks
19	38	word
20	40	numeral
21	42	base 10 blocks
22	44	word
23	46	numeral
24	48	base 10 blocks
25	50	word
26	52	numeral
27	54	base 10 blocks

28	56	word
29	58	numeral
30	60	base 10 blocks
31	62	Word

## Preparation

### The Cards

1. Print the Calendar Quest cards on white cardstock for best results. The cards are designed at a 10cmx10cm size, it maybe necessary to scale them to fit your calendar pocket chart.
2. Cut the cards out on the black lines
3. Place the cards printed side facing towards the pocket chart in your calendar pocket chart. (white side out)

### The Observations Chart

1. On a sheet of chart paper draw vertical lines to create three columns
  - a. Date
  - b. Number
  - c. Representation
2. Fill in the date column for this month
3. Hang up your observations chart

## Daily Activities

### Day 1

1. Flip the cards for any days that have passed this month so they are facing outwards
2. Ask students what they see looking at the cards
3. Students make predictions for today's card
4. Reveal today's card

## Days 2-5

1. Have students share what they see when looking at the Calendar Quest
2. Make predictions for today's card
3. Reveal today's card

## Day 6

1. Draw student's attention to the observation chart
2. Ask students what they notice about the observation chart
3. Work together to fill in the observation chart
4. Ask students what patterns they notice about the observation chart
5. Make predictions for today's card
6. Reveal today's card
7. Add today's card to the observation chart

## Days 7-11

1. Have students view the cards already revealed
2. Ask students what they notice
3. Predict today's card
4. Reveal today's card
5. Update the observations chart

## Day 12

1. Have students view the cards already revealed
2. Ask students what they notice
3. Predict today's card
4. Reveal today's card
5. Update the observations chart
6. Skip count by twos

## Day 13-16

1. Have students view the cards already revealed
2. Ask students what they notice
3. Predict today's card
4. Reveal today's card
5. Update the observations chart
6. Skip count by twos
7. Count and clap
  - a. Skip count by twos
  - b. Clap the number of times for each number eg 2 for two, 4 for four

## Day 17 +

1. Have students view the cards already revealed
2. Ask students what they notice
3. Predict today's card
4. Reveal today's card
5. Update the observations chart
6. Skip count by twos
7. Count and clap
8. Missing numbers
  - a. Teacher puts up the pattern of the month but leaves blanks
  - b. Students work together to fill in each blank

## Last day of month

1. Have students view the cards already revealed
2. Ask students what they notice
3. Predict today's card
4. Reveal today's card
5. Update the observations chart
6. Skip count by twos

7. Students fill in the calendar extender sheet independent

Calendar Quest Pieces

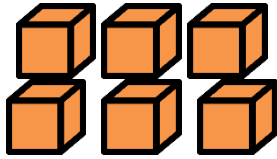
1

**Two**

2

**4**

3



4

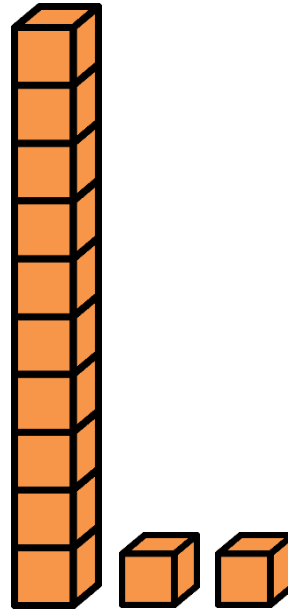
Eight



5

10

6



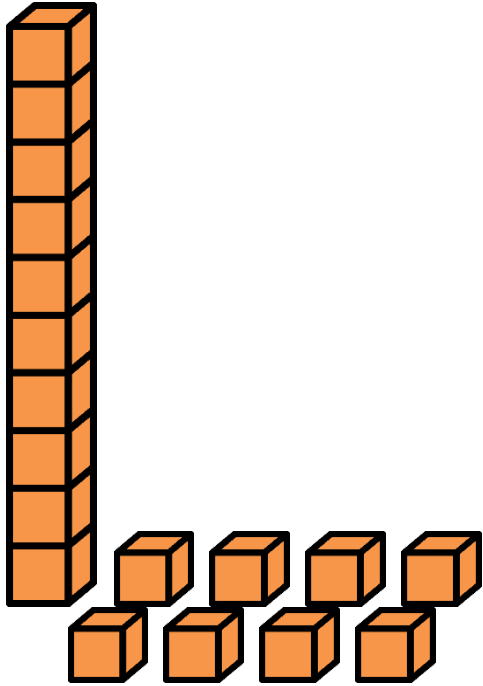
7

**Fourteen**

8

**16**

9



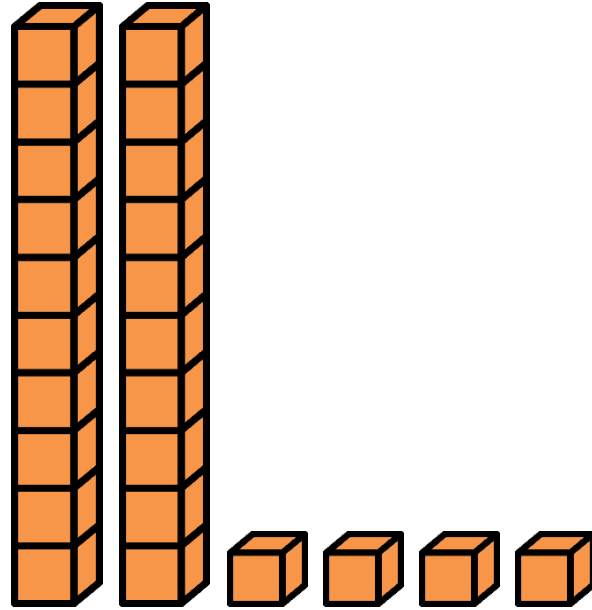
10

Twenty

11

22

12



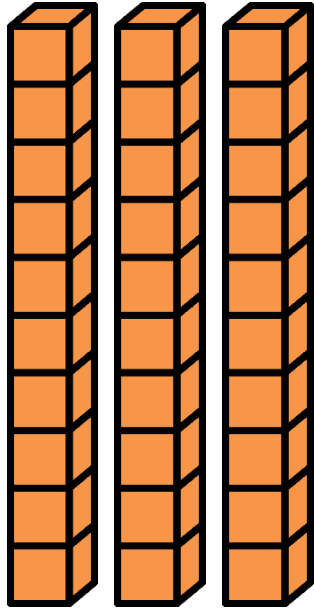
13

**Twenty-six**

14

**28**

15



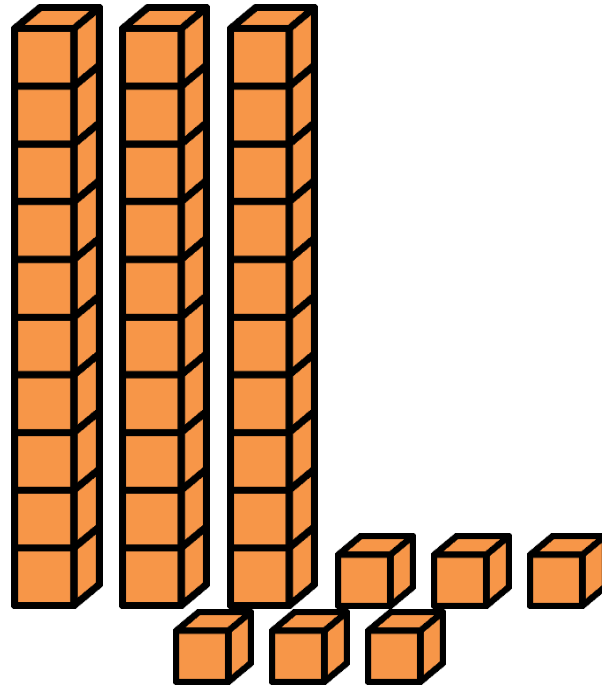
16

Thirty-Two

17

34

18



19

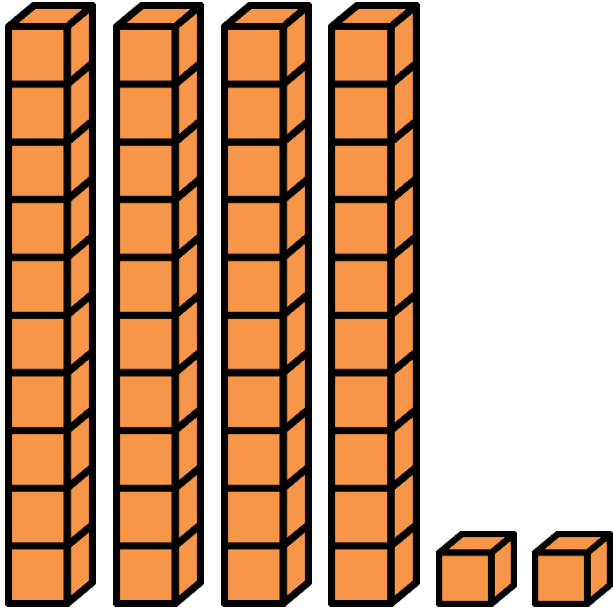
**Thirty-  
eight**

20

**40**



21



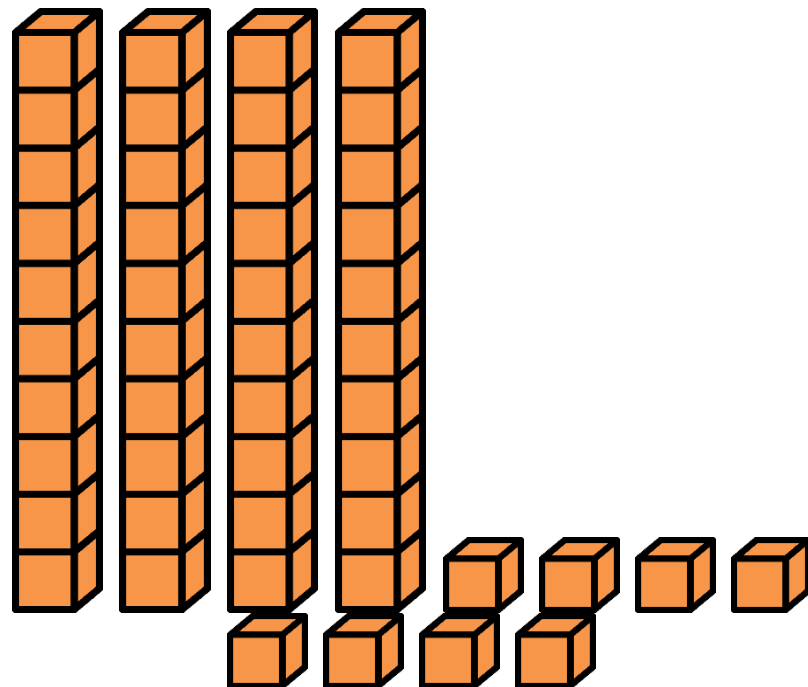
22

Forty-four

23

46

24



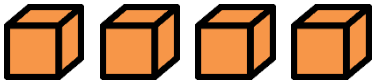
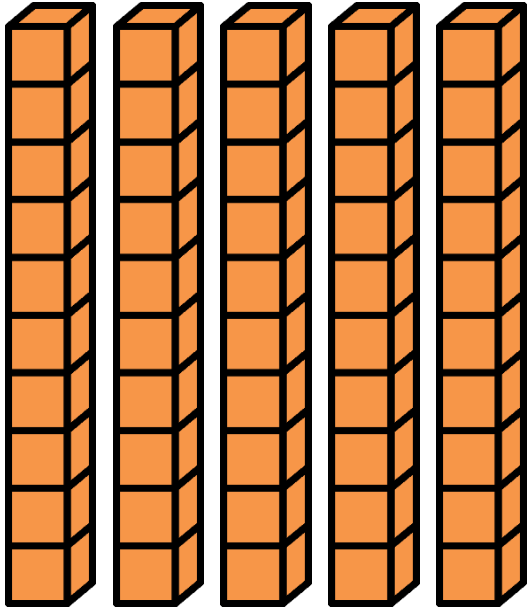
25

**Fifty**

26

**52**

27



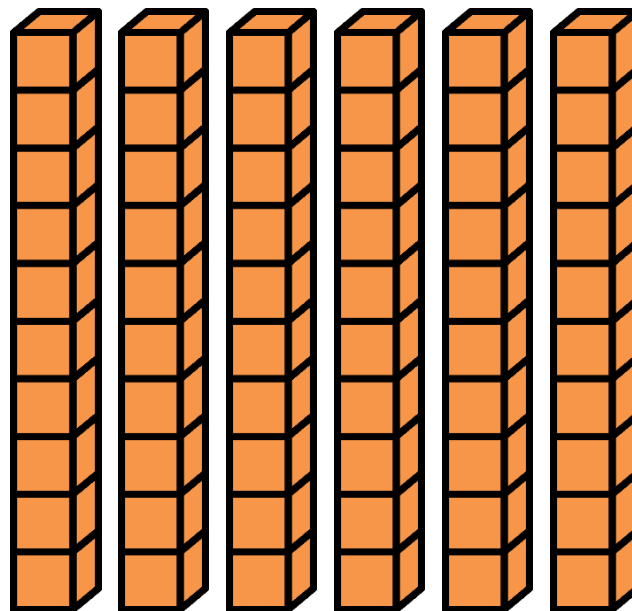
28

**Fifty-six**

29

58

30



31

**Sixty-two**

# Credits

<https://www.teacherspayteachers.com/store/haynes-creative>