Interactive Notebooking K-2

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Graphics by scrappin doodles, djinkers, 3 AM teacher, melonheadz

What is an Interactive Math Notebook?

An interactive math notebook, journal, calendar notebook, or problem solving notebook, as they are sometimes referred to, is a book in which students record their math work and thinking. They can be used differentially to:
show evidence of number sense and calendar understanding,
record the solutions to math problems, along with the strategies and thought processes used to arrive at the solution, and even write about learning.

Students may be asked to write about "what you already know about ....." at the beginning of a unit or "what you did today, what you learned, and any questions you have", or "the three most important things you learned in this unit."
By dating entries the journal provides a chronological record of the development of a student's mathematical thinking throughout the year.

Why Use Interactive Math Notebooking?

While students learn how to "do" math, they must also learn how to articulate what they are learning. It is important to provide many opportunities for students to organize and record their work without the structure of a worksheet. Problem solving notebooks support students' learning because, in order to get their ideas on paper, children must organize, clarify, and reflect on their thinking. Initially many students will need support and encouragement in order to communicate their ideas and thinking clearly on paper but, as with any skill, the more they practice the easier it will become.
Notebooks also serve as invaluable assessment resources that can inform classroom instruction. Reviewing a student's math notebook provides a useful insight into what a child understands, how s/he approaches ideas and what misconceptions s/he has.

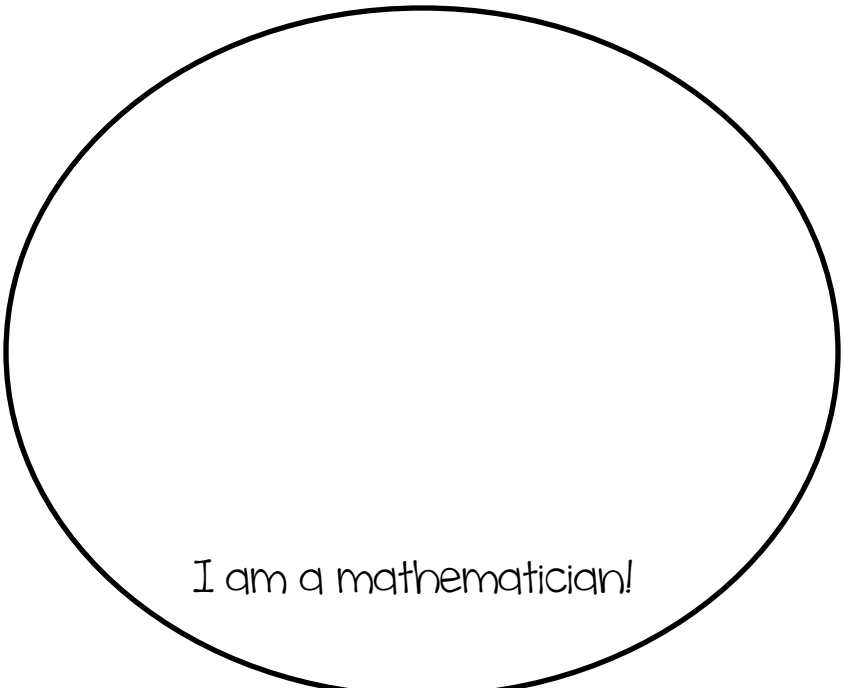
This little math notebook Unit includes,

*student notebook cover
*number poem
*My numbers page
*infinity calendar pages for kids to fill in each month for any year
*number of the day pages at varying levels, use as student readiness is evident
*Number Operator page
*subitizing sheets (10 frames) color/track days of school
*120/and beyond board-color/line out track days of school "Black Out Boards"
*Track and Graph- monthly weather page
*"My Math Mind" page
*Talk the Talk math vocabulary pages
**Manipulatives for total interaction:
Base 10 units, rods, and flats
Coins, measurement manips, clock, fraction, number-line., and much more!
Cut apart, store in ziploc or envelope

***Choose the pages you need, print, copy, hole punch, and place in binder for each kiddo.

_____'s

Interactive math Notebook



Numbers, Numbers

Numbers, numbers,
Everywhere I look
Numbers in the grocery store
And in my science book

Price tags, speed limits,
calendars, and walls.
In the cafeteria
and even in the halls!

Numbers on my shoes and shirt
And on my cereal box
Numbers on the TV
And on my alarm clock.

Numbers, numbers everywhere
At my home and school
Numbers everywhere I look
Numbers are so cool

By Nancy VandenBerge

My Numbers

My age

How many people in my family

The number on my house

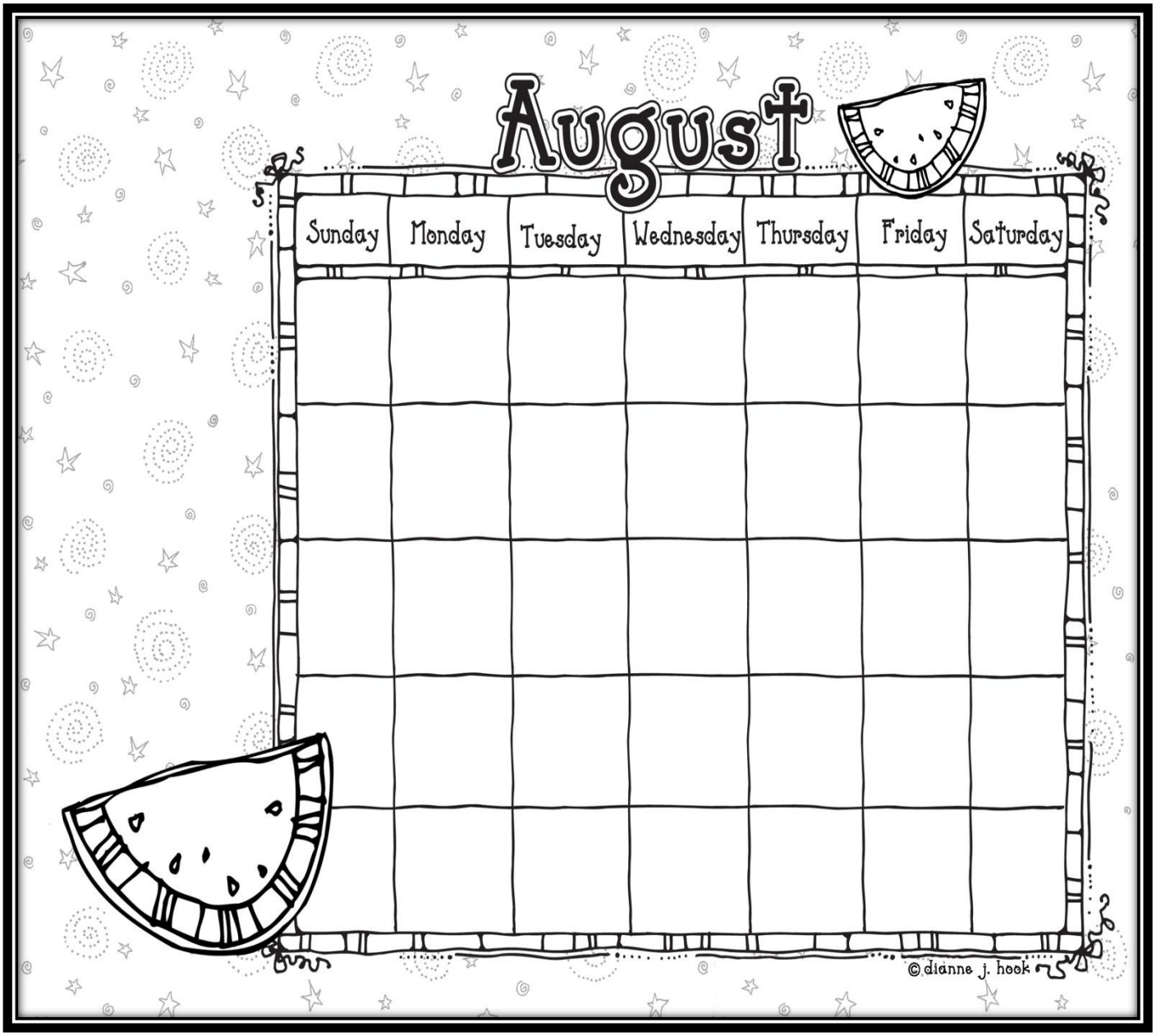
How many pets I have

My Birthday

My favorite number

I Can "Guess What Day It Is!!"

Calendars



There are _____ days in this month.
Something special that will happen this month is

_____

An interesting pattern I notice about this calendar month is

_____

September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

There are _____ days in this month.

Something special that will happen this month is

_____

An interesting pattern I notice about this calendar month is

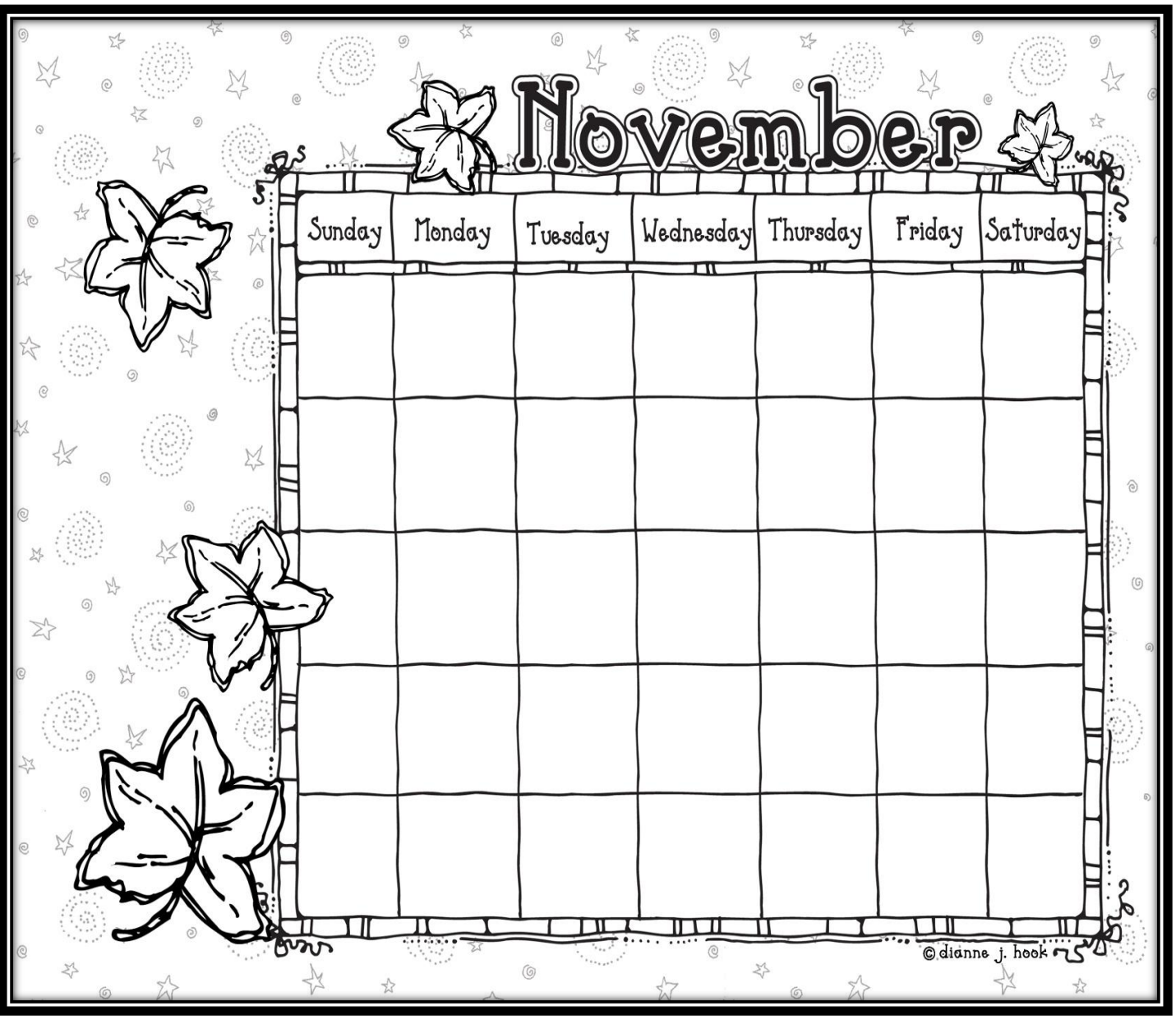
_____

There are _____ days in this month.
Something special that will happen this month is

_____

An interesting pattern I notice about this calendar month is

_____



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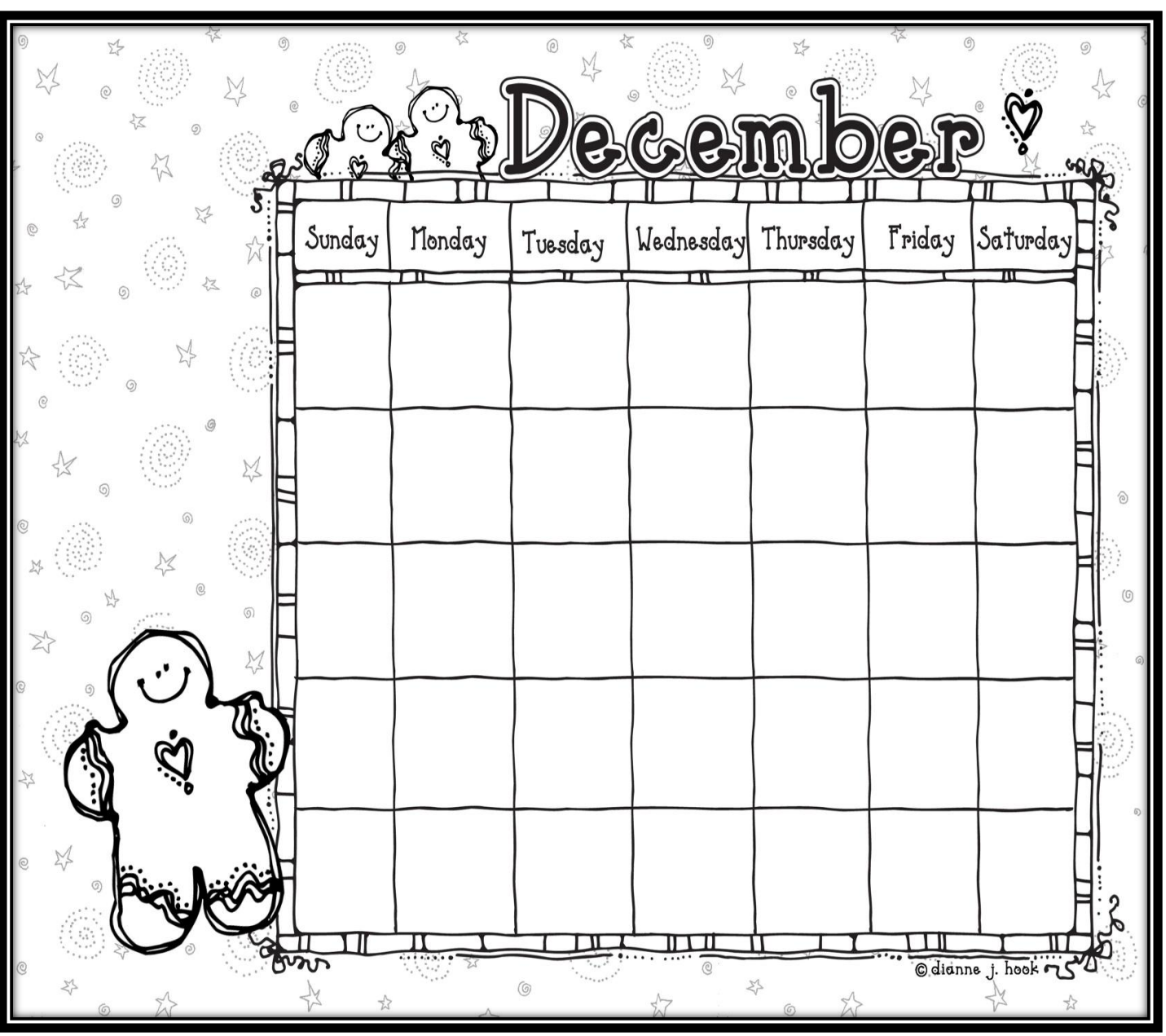

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Something special that will happen this month is

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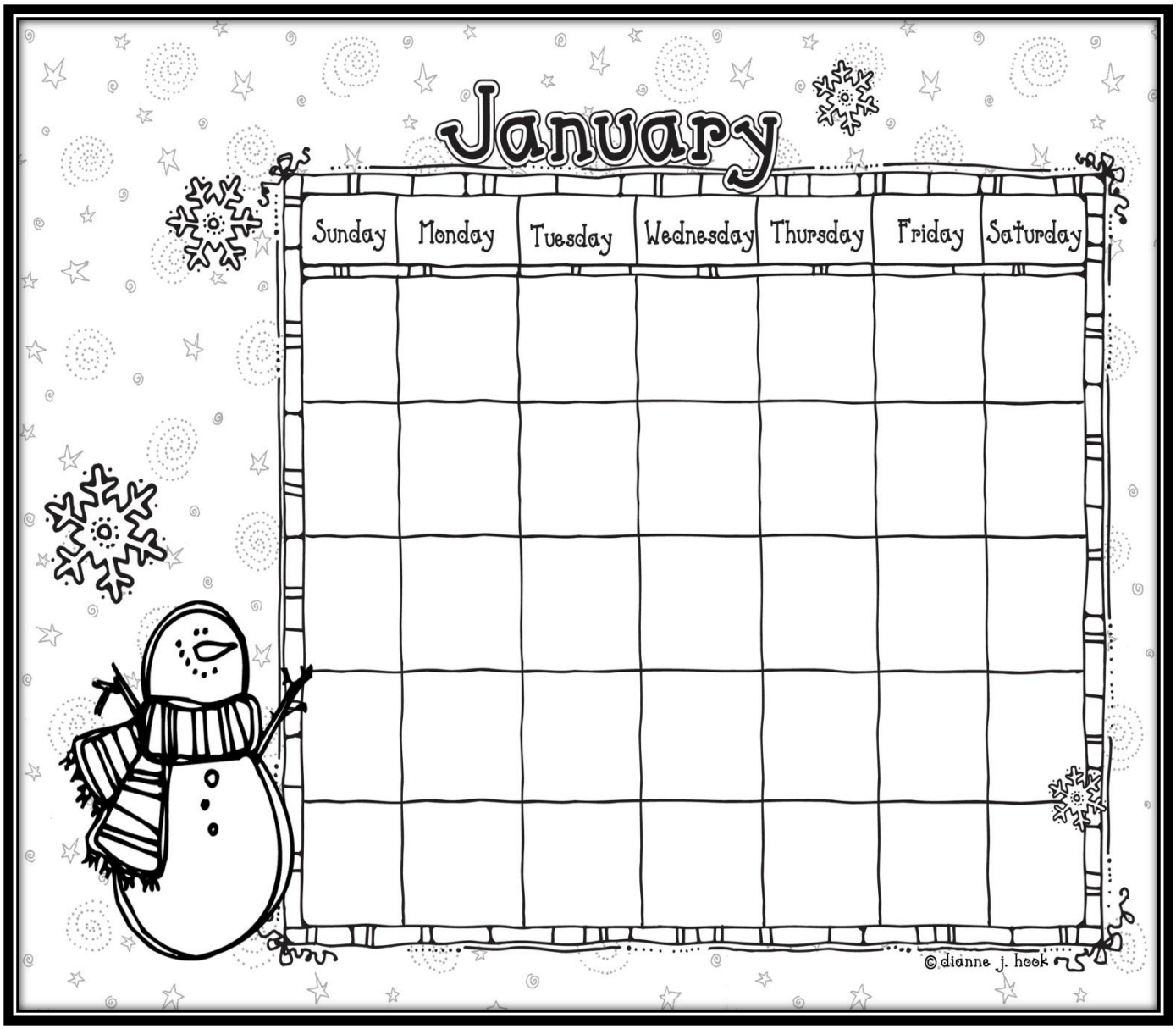

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Something special that will happen this month is

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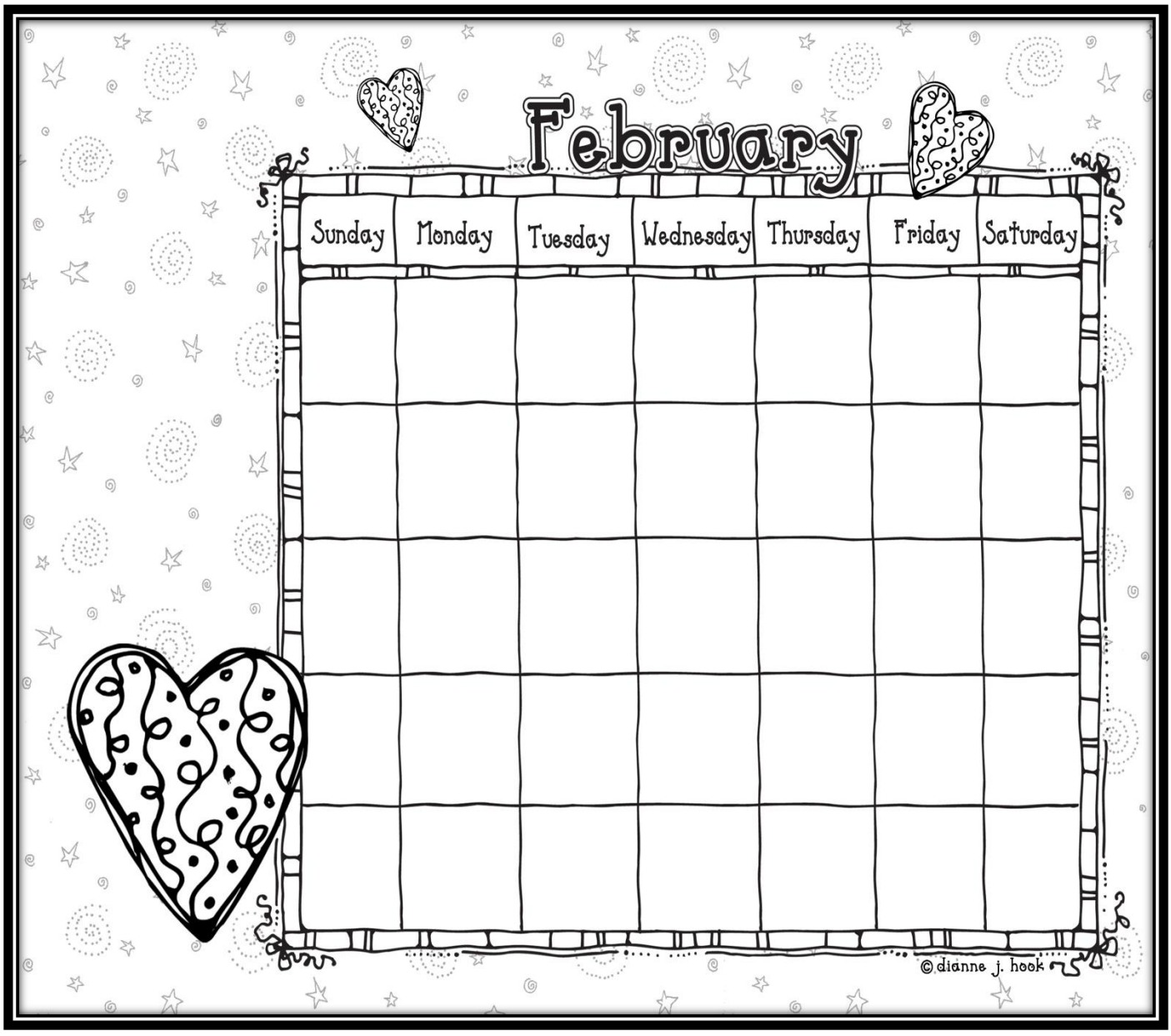
An interesting pattern I notice about this calendar month is

_____



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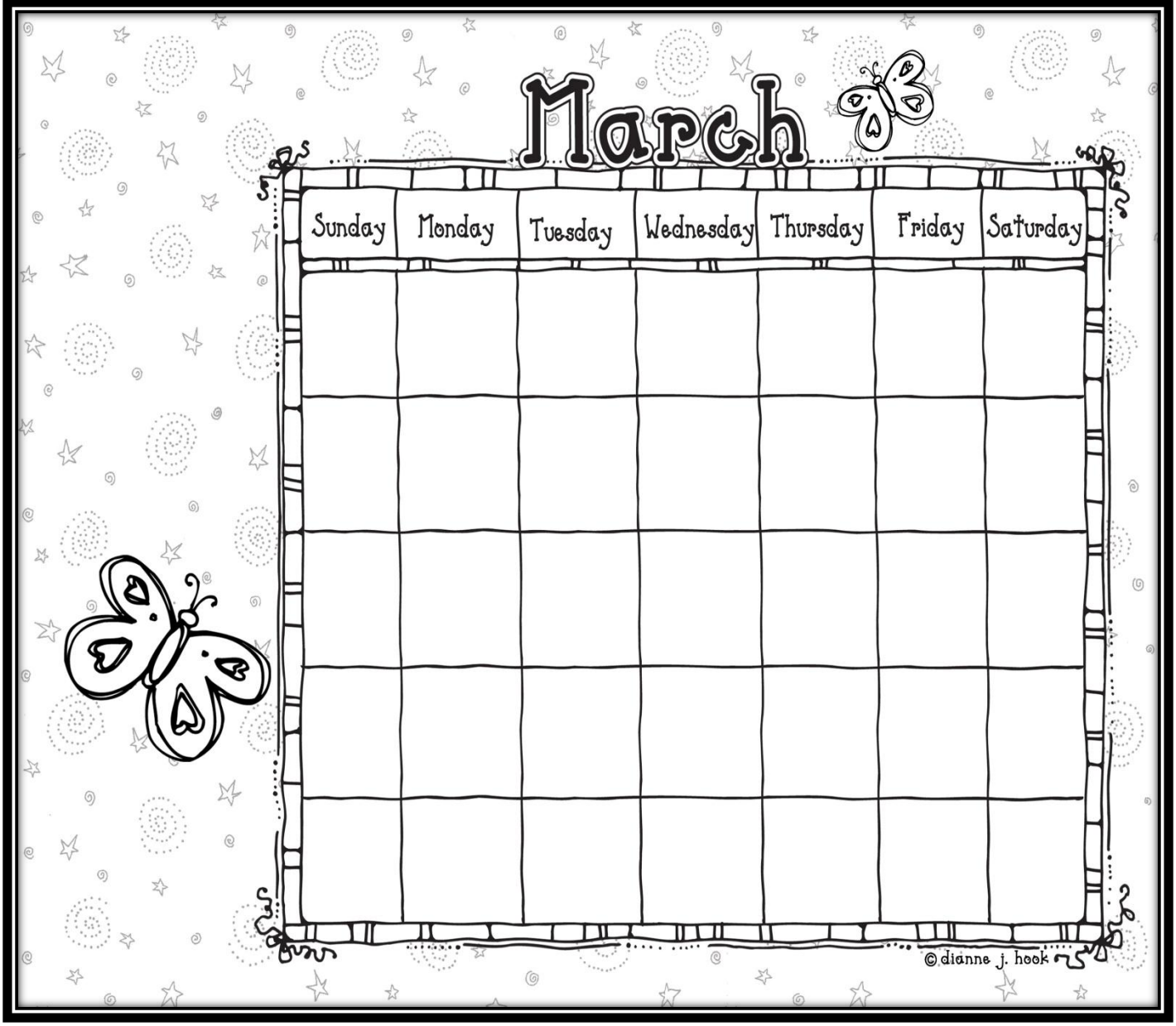


There are _____ days in this month.
Something special that will happen this month is

_____

An interesting pattern I notice about this calendar month is

_____

April

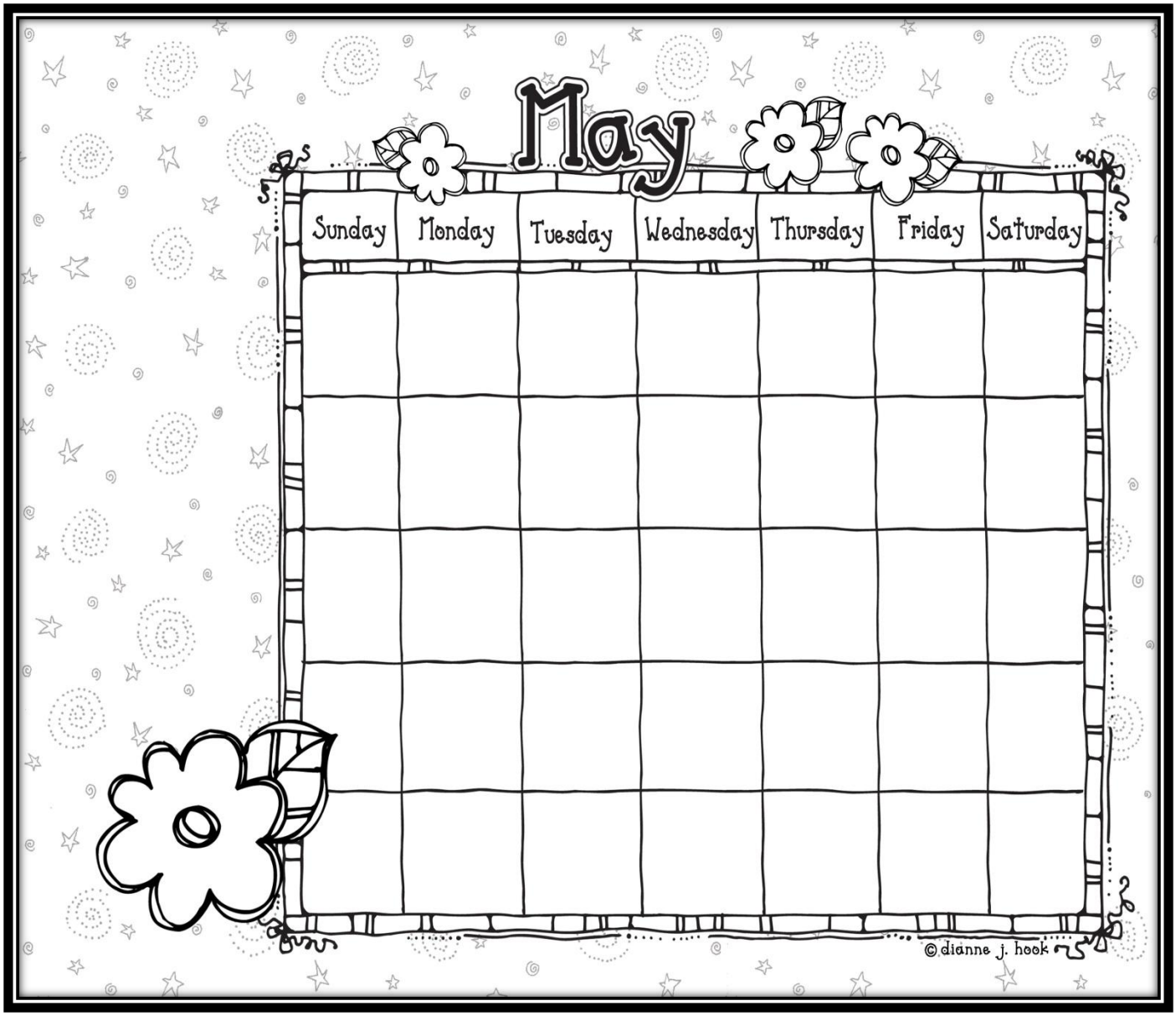
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

There are _____ days in this month.
Something special that will happen this month is

_____

An interesting pattern I notice about this calendar month is

_____



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Something special that will happen this month is

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An interesting pattern I notice about this calendar month is

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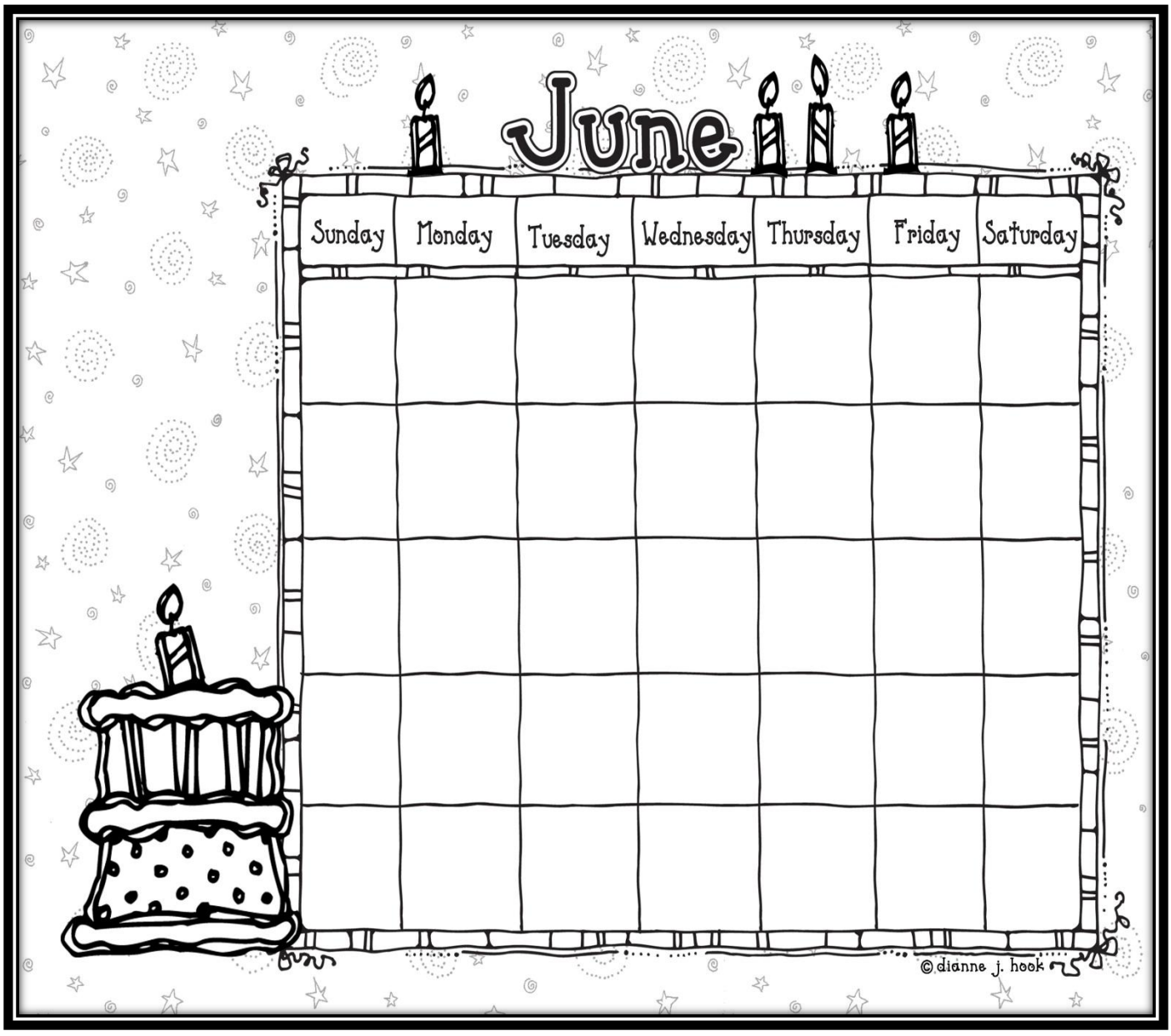

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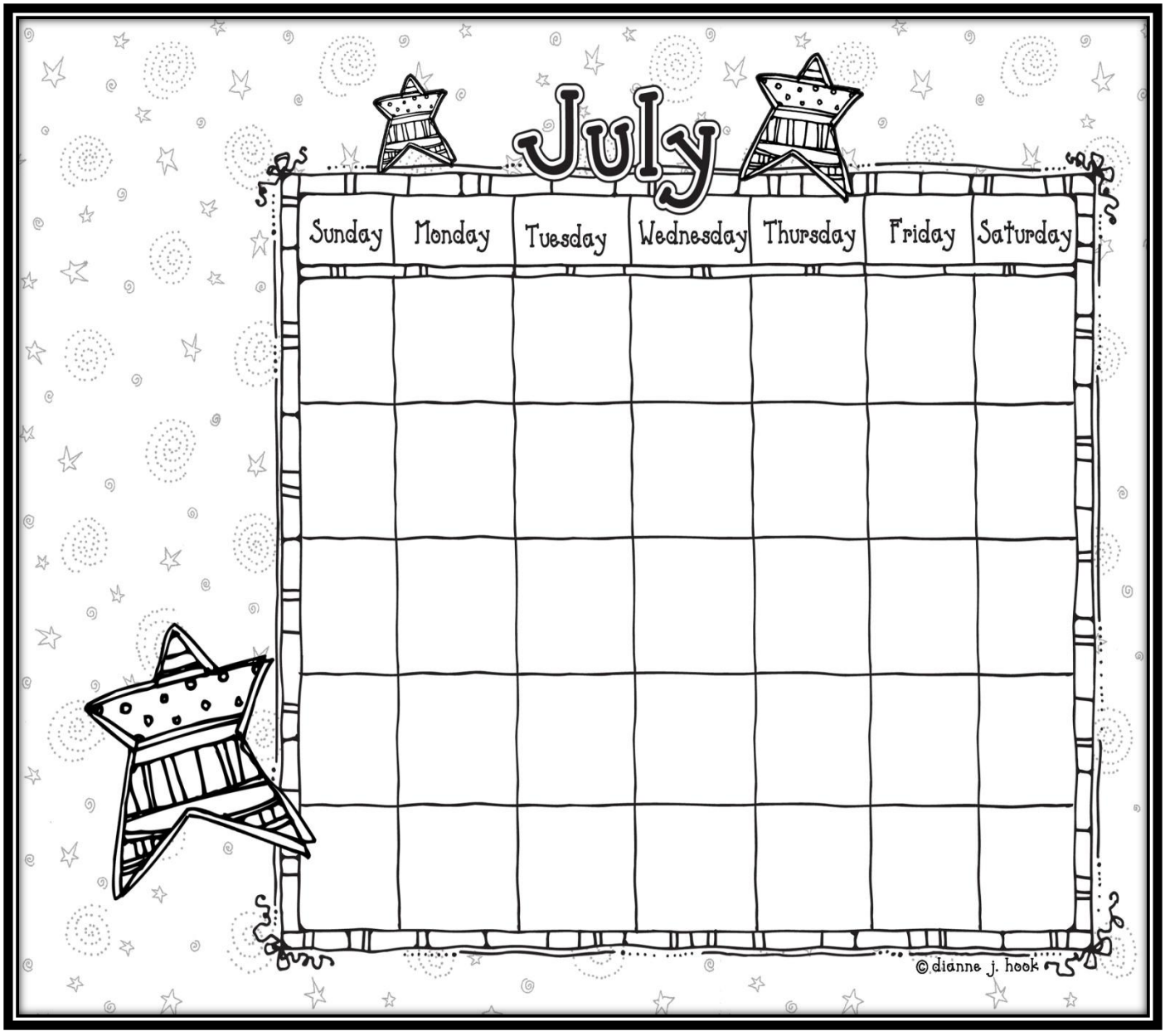


There are _____ days in this month.
Something special that will happen this month is

_____

An interesting pattern I notice about this calendar month is

_____



I Can Tell All About That Number







Number Sense
Number of the day

Name_____

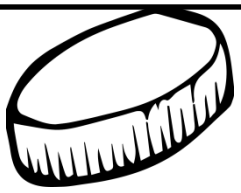
Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

I can show my number sense:

picture	odd or even
tally	Base 10



Coins/amount _____

Name_____

Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

I can show my number sense:

picture	tally	Base 10

number word	odd or even

Coins/amount _____

_____, _____, _____

before number after

Name_____

Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

I can show my number sense:

tally

odd or even

_____, _____, _____
before number after

_____ is > _____

_____ is < _____

Base 10

Coins/amount _____

Place value

Name_____

Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

I can show my number sense:

Coins _____

odd or even

_____, _____, _____

before number after

_____ is > _____

_____ is < _____

Base 10

Place value

_____

Expanded notation

Name_____

Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

I can show my number sense:

tally

odd or even

_____ is > _____

_____ is < _____

Coins/amount _____

Base 10

hundreds	tens	ones

Place value

_____ + _____ = _____

Expanded Notation

Number Burst

Name_____

Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

The digital date is _____.

I can show my number sense:

odd or even

coins

_____

amount

_____ is > _____

_____ is < _____

Base 10

_____ + 2 = _____

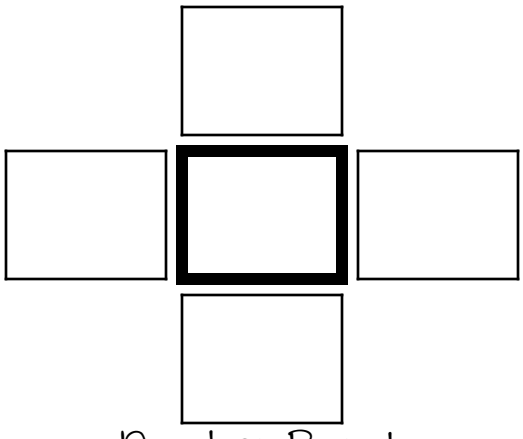
_____ - 2 = _____

_____ + 10 = _____

_____ - 10 = _____

hundreds	tens	ones

Place value



_____ + _____ = _____

Expanded Notation

Number Burst

Name_____

Today is

_____, _____ _____, _____.

The digital date is _____.

Yesterday was _____

Today is _____

Tomorrow will be _____

I can show my number sense:

It is the _____
st/nd/rd/th
day of school

coins

_____
amount

odd or even

_____ is > _____

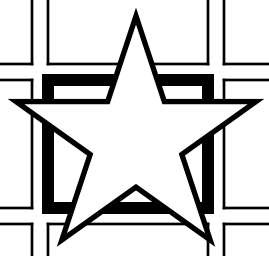
_____ is < _____

_____ + 2 = _____
_____ - 2 = _____
_____ + 10 = _____
_____ - 10 = _____

Base 10

hundreds	tens	ones

Place value



_____ + _____ = _____

Expanded Notation

Number Burst

Name_____

Today is

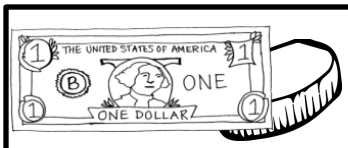
_____, _____ _____, _____.

The digital date is _____-_____-_____.

I can show my number sense:

It is the _____
st/nd/rd/th
day of school!☺

Number word



Draw and label the money need to match the number of the day!

_____
amount

Fraction _____

_____ is > _____
_____ is < _____

_____ + 5 = _____
_____ - 5 = _____
_____ + 10 = _____
_____ - 10 = _____

Base 10 blocks

hundreds	tens	ones

Place value

_____ + _____+_____ = _____

Expanded Notation

Number Burst

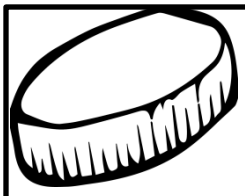
Name_____

Today is

_____, _____ _____, _____.

It is the _____st/nd/rd/th day of school!

I can show my number sense:



Coins _____

odd or even

_____, _____, _____

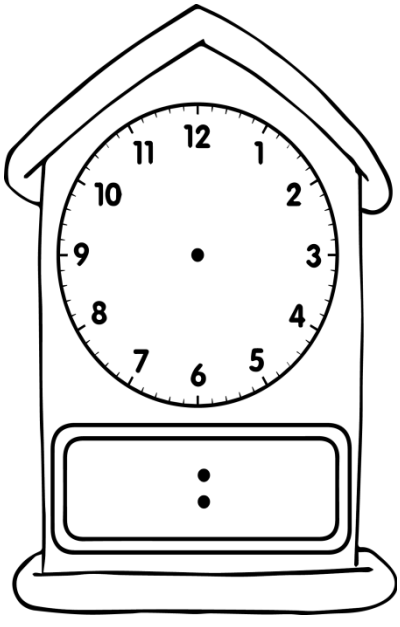
before number after

_____ is > _____

_____ is < _____

Base 10

Place value



_____

Expanded notation

Name_____

Today is

_____, _____ _____, _____.

The digital date is _____-_____-_____.

I can show my number sense:

It is the _____
st/nd/rd/th
day of school!☺

Draw and label the money need to match the number of the day!

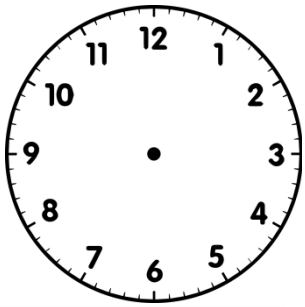
_____
amount

Fraction _____

_____ is > _____
_____ is < _____

M y _____
is about _____
_____s long.

:



_____ + 10 = _____
_____ - 10 = _____

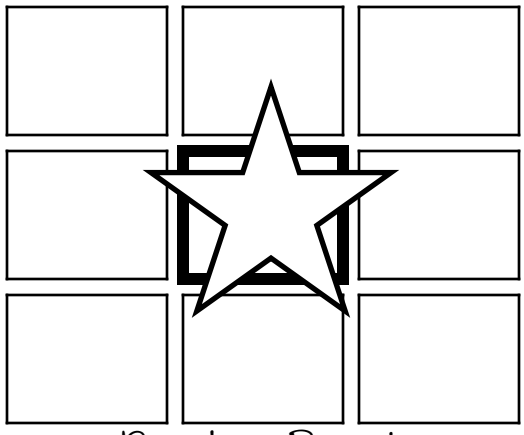
Base 10 blocks

Hundreds	tens	ones

Place value

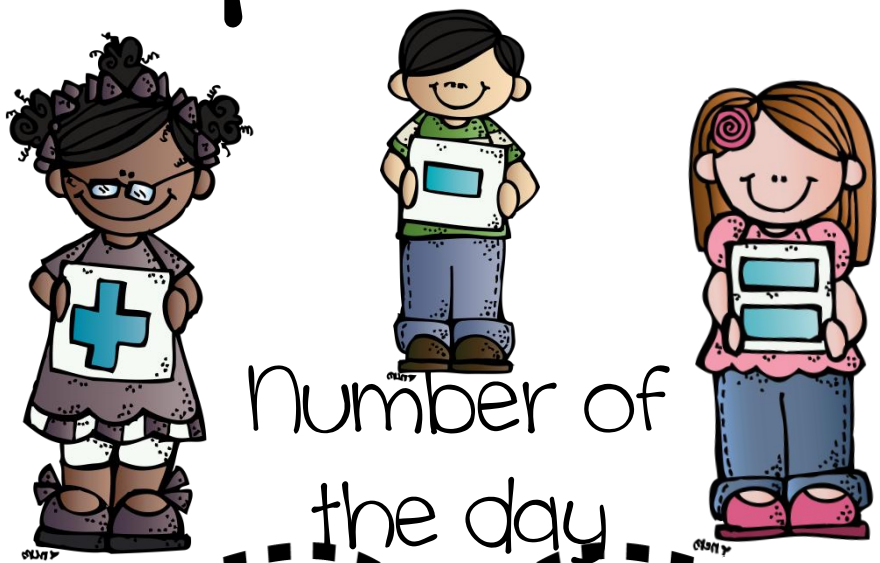
_____ + _____+_____ = _____

Expanded Notation



Number Burst

I'm a Number Operator



Number of the day

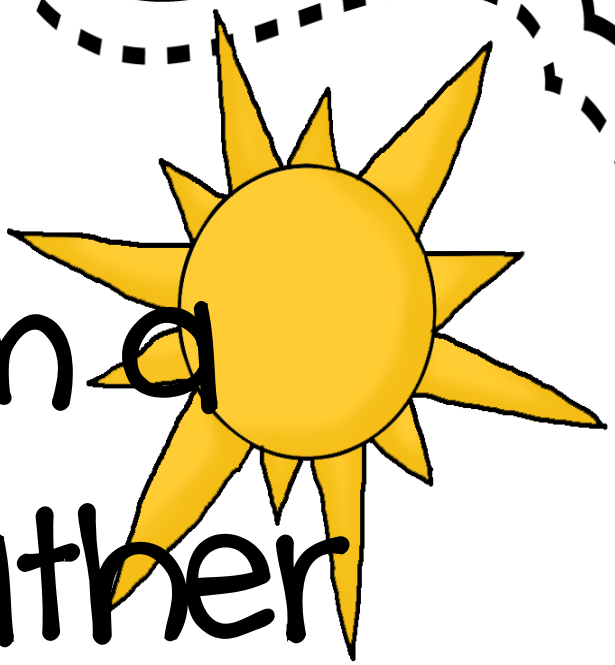
Name _____ Date_____

I am a number operator!

(Compose, decompose, partition
part/ part/whole, whole/part/part)

My number of the day is _____.

Here I go!!!



I'm a Weather Watcher

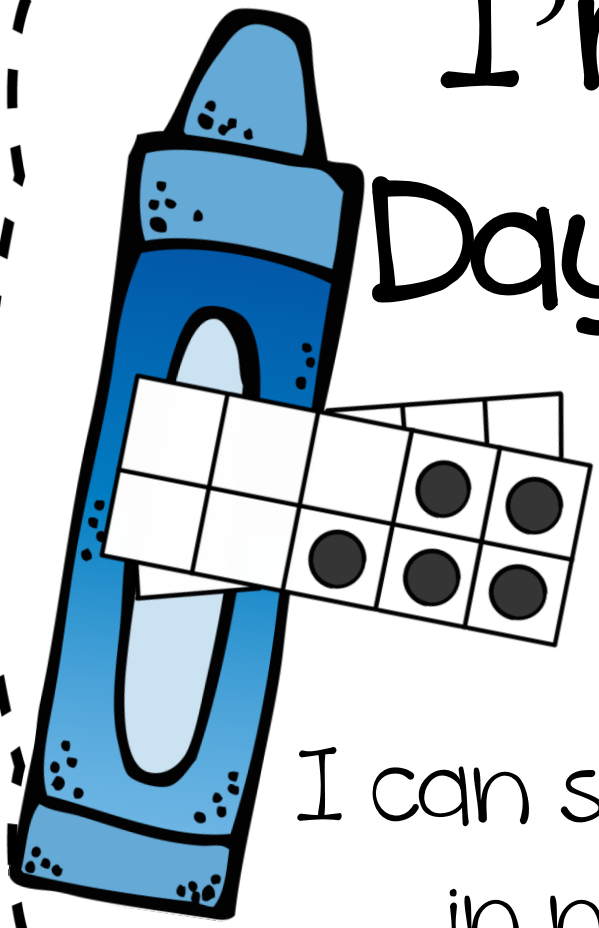
I can compare the weather daily and monthly.

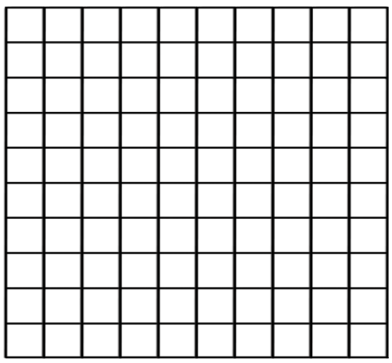
Weather Watcher

Sunny														
Cloudy														
Rainy														
Snowy														
Foggy														

Month _____

I'm a Day Tracker





I can see patterns in numbers!

Hundred Board Blackout

(color in one number box for each day of school)

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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

120 Board Blackout

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	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

121... Blackout

121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180

Ten Frame Fill

(Color a dot in a box for each day of school)

Ten Frame Fill

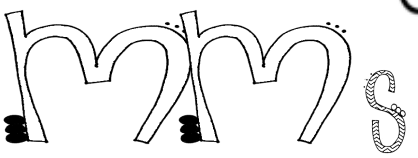
mms

My Math Mind at Work

I love to chat about math!

Name _____

Date_____



What I already know about _____

_____

_____

_____

Name _____

Date_____

Today in math I

_____

_____

_____

MM's Sentence Starters

I figured out that...
I noticed that...
I thought that I could...
First I ...
Then I ...
I solved that problem by...
I learned that...
Now I understand that...
I was wondering...
I focused on ...
I helped...
The strategy I used was...
I need to work on...
I need to know this because...
I already knew that...

I Can Talk the Talk!

Math Chat Words

C.U.B.E.S.

Word Problem Solving Strategy

Circle the numbers

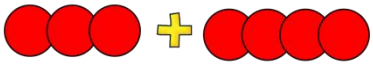
Underline the question

Box the key words

Eliminate what you don't need

Select your thinking pattern and Solve

Some and Some More



SSM

SSM

Draw a Picture

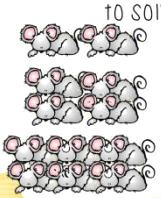
Mathematicians draw pictures to help understand and solve a problem.

3 + 4 = 7

SSM

Use Doubles

Mathematicians think about doubles facts to solve a problem.

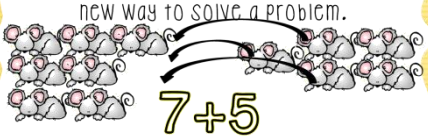


1+1=2 Ooooh!
2+2=4 More!
3+3=6 Kicks!
4+4=8 That's Great!
5+5=10 Again!
6+6=12 Swell!
7+7=14 Let's Jean!
8+8=16 Jellybean!
9+9=18 Really Keen!
10+10=20 That's Plenty!

SSM

Make a 10

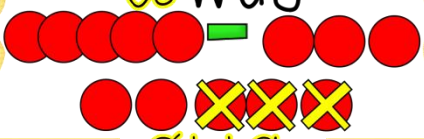
Mathematicians make a ten to create a new way to solve a problem.



7+5

10+2=12

Some Went Away



SWA

SWA

Count Back

Mathematicians think about the big number and count back to solve a problem.

5 4,3

SWA

Use Doubles

Mathematicians think about the related doubles facts to solve a problem.

4+4=8

So

8-4=4

Zero
one
two
three
four
five
six
seven
eight
nine
ten
eleven
twelve
thirteen
fourteen
fifteen
sixteen
seventeen
eighteen
Nineteen
twenty
thirty
forty
fifty
sixty
seventy
eighty
ninety
one hundred
first
next
last

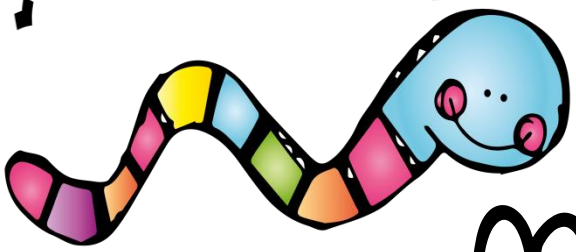
subitize
whole
part
addition
compose
subtraction
partition
sum
difference
group
counting on
making ten
doubles
combinations
equal sign
digits
two-digit number

square
circle
triangle
rectangle
flat shape
solid shape
corners
sides
trapezoid
cube
rectangular
prism
cone
cylinder
half
fourth
quarter
fraction

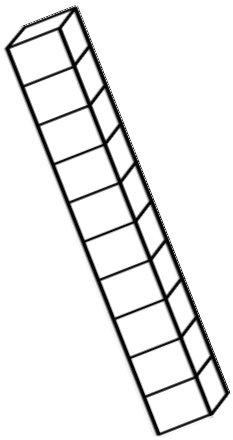
count
ones
tens
hundreds
forward
hours
half hour
minutes
digital
clock
sort
penny
dime
nickel
quarter
cents
greater than
less than
amount

above
below
beside
in front of
behind
next to
equal
length
weight
unit
centimeter
inch
more
less
taller
shorter
longer
larger
smaller

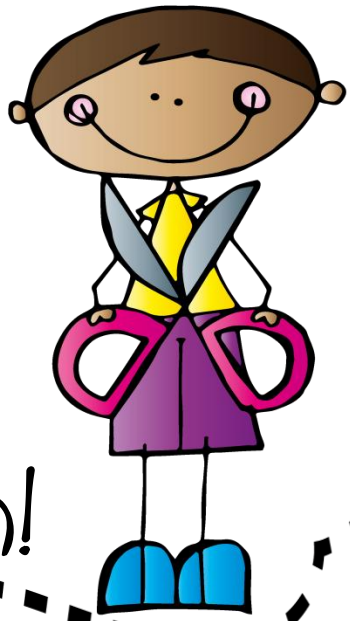
Even more math chat words!

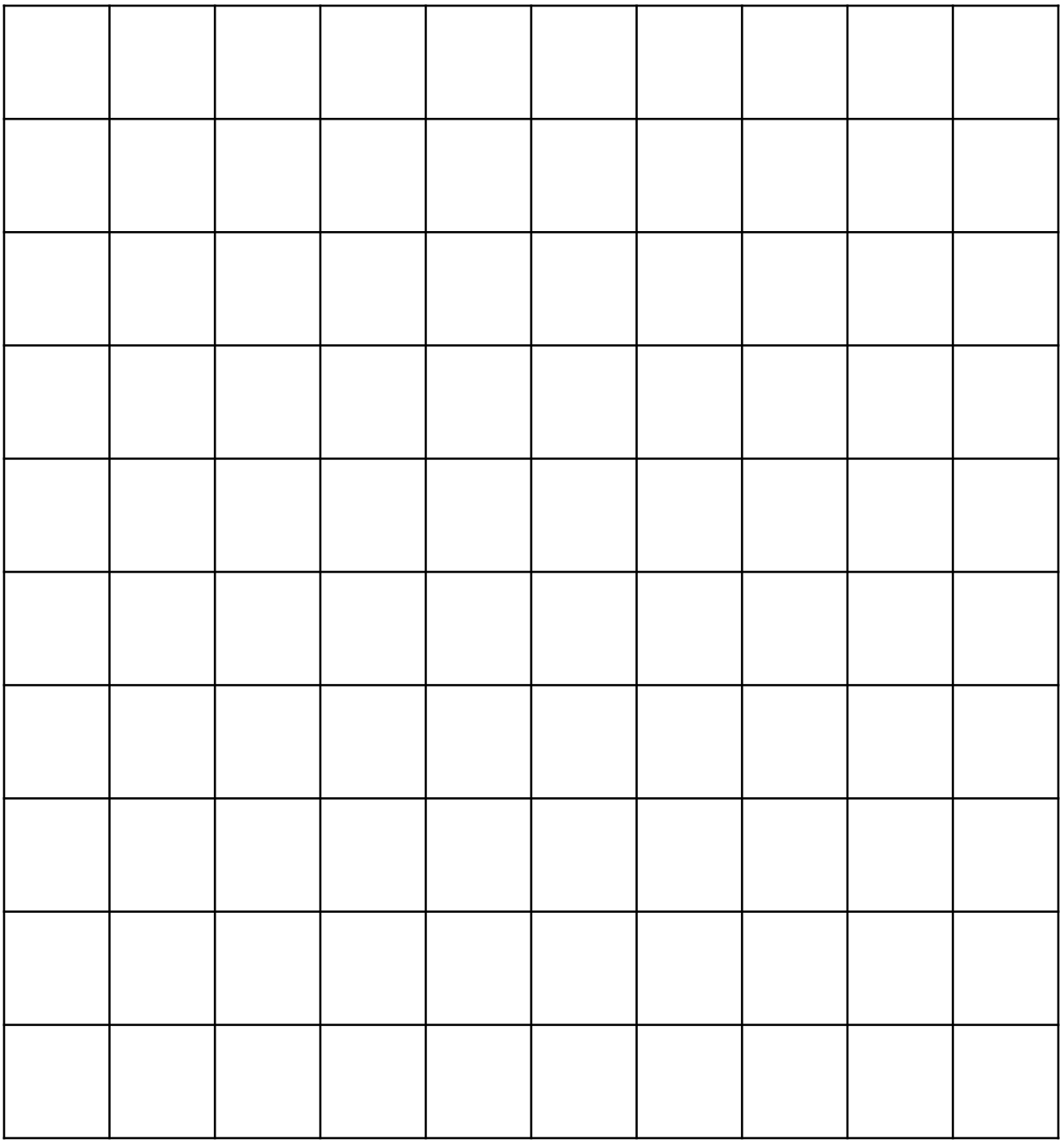


My Manipulatives



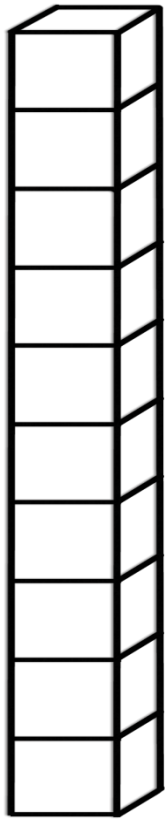
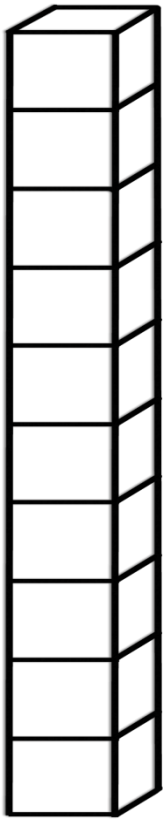
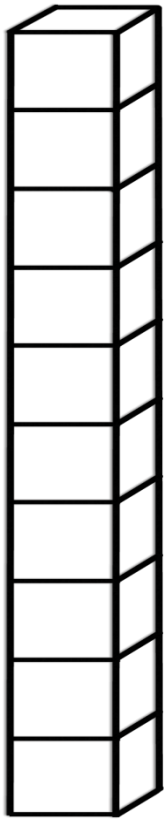
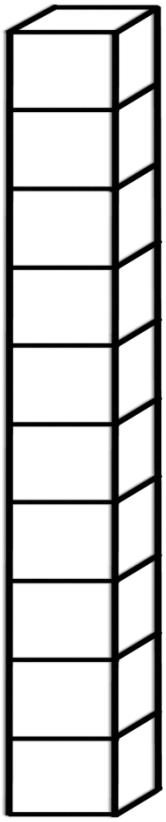
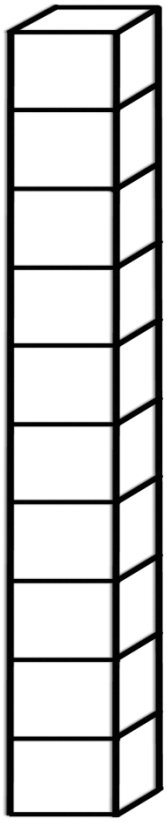
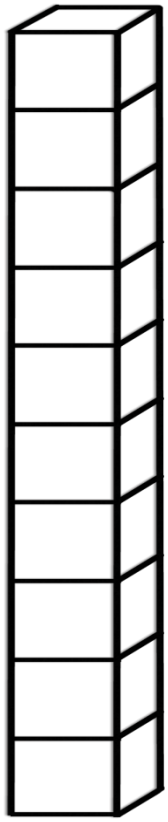
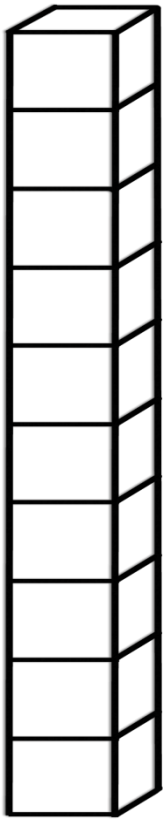
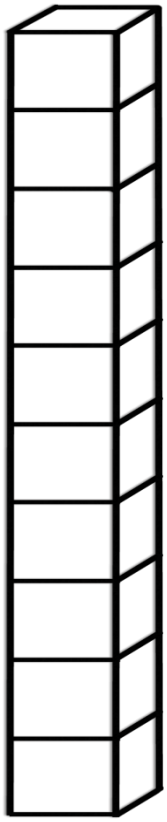
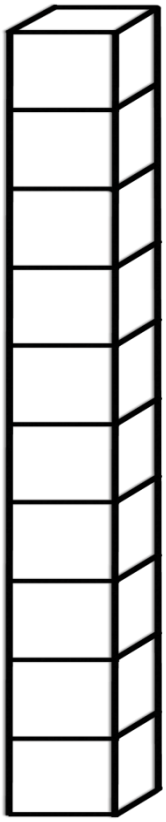
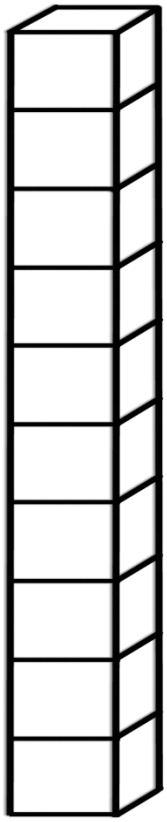
I can interact with math!

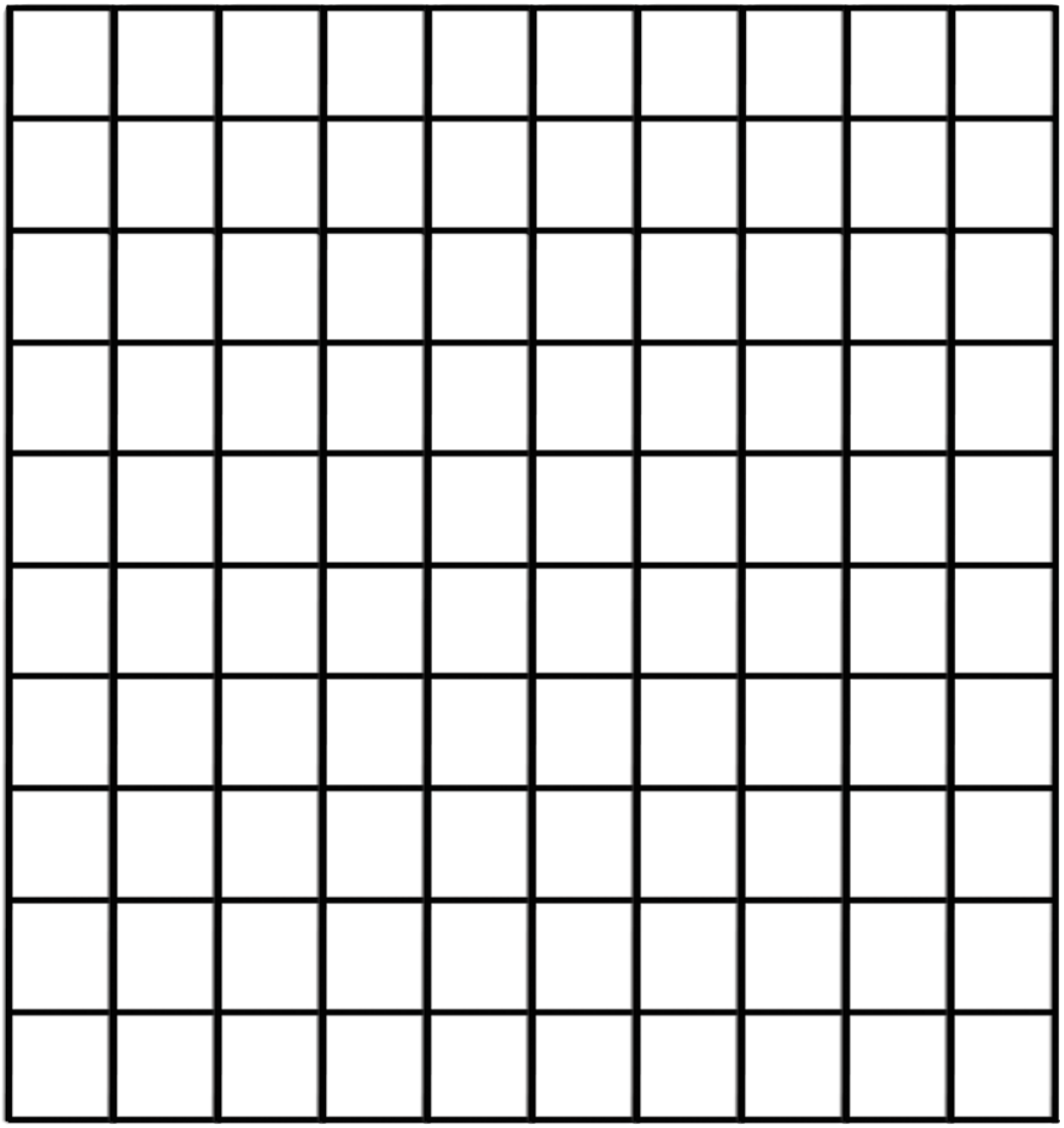




Cut apart to form Base 10 **Units**
Store in envelope or bag.

Cut apart for base 10 **rods**



Cut out to form a base 10 **flat**


IN GOD WE TRUST
LIBERTY
2002
E PLURIBUS UNUM
MONTICELLO
FIVE CENTS
UNITED STATES OF AMERICA
QUARTER DOLLAR

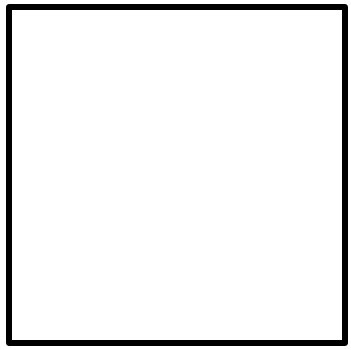

THE UNITED STATES OF AMERICA
1
1
B
ONE
1
1
ONE DOLLAR


THE UNITED STATES OF AMERICA
1
1
B
ONE
1
1
ONE DOLLAR

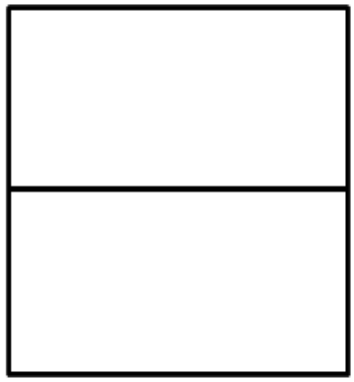

THE UNITED STATES OF AMERICA
1
1
B
ONE
1
1
ONE DOLLAR

FRACTIONS

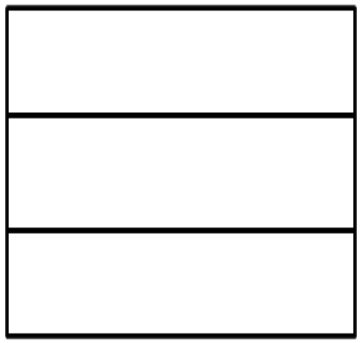
whole



halves

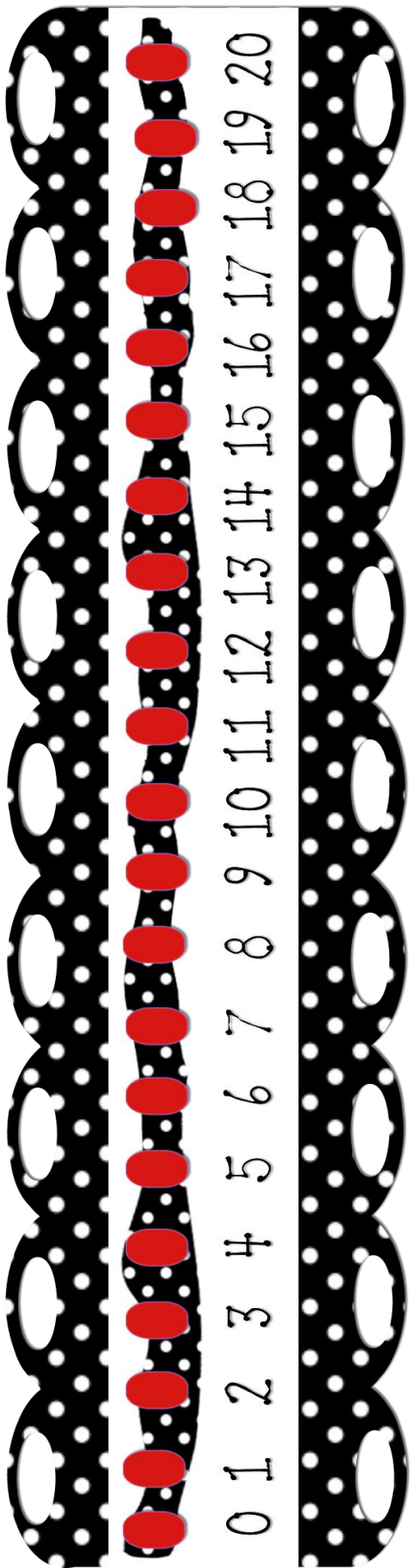


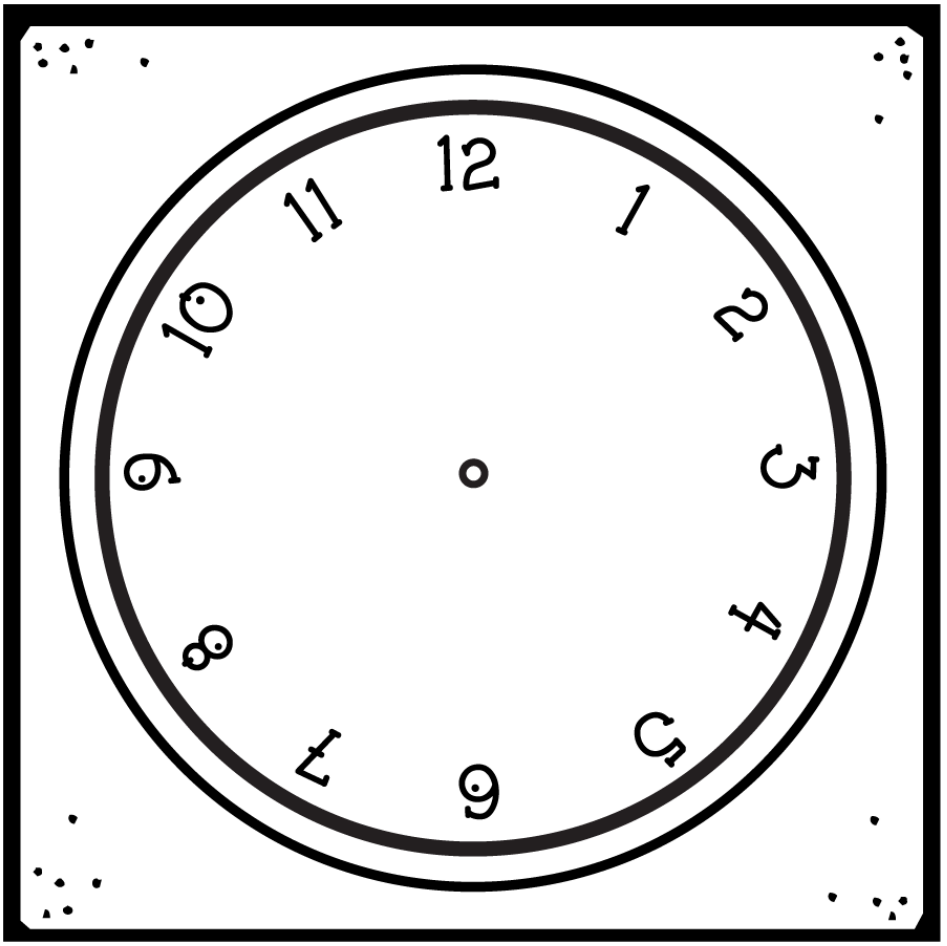
thirds



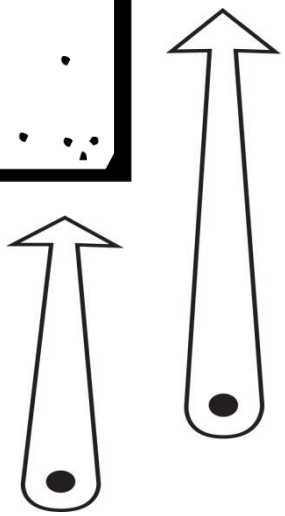
fourths

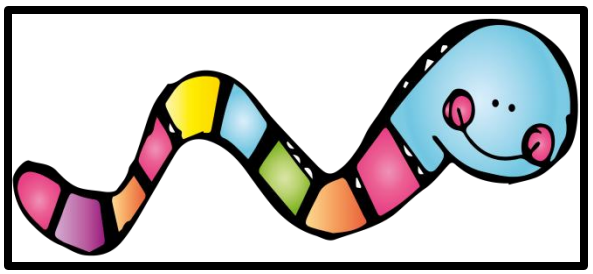
Number line





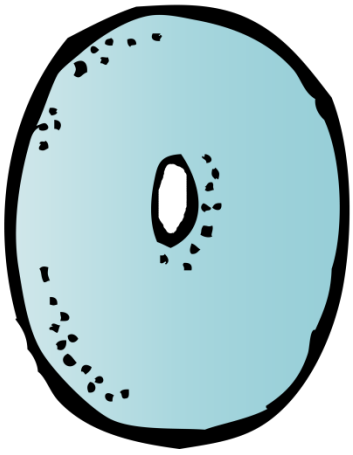
Analogue clock and hands to cut out, use and store in notebook bag.

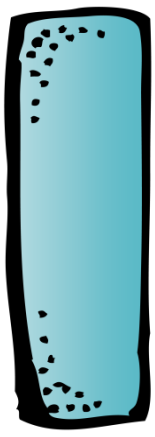


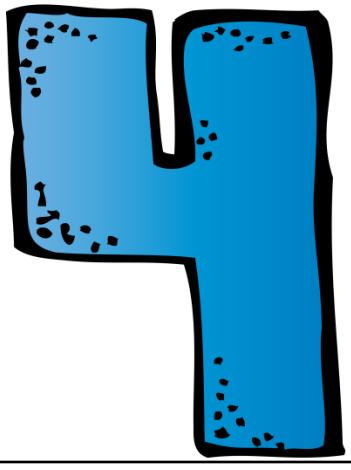


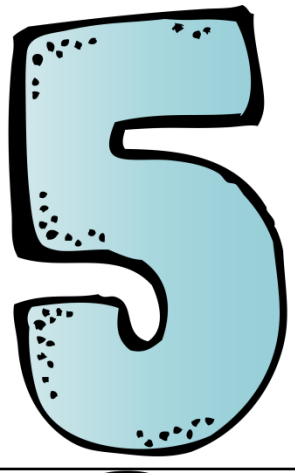
Worm to use for measuring different things

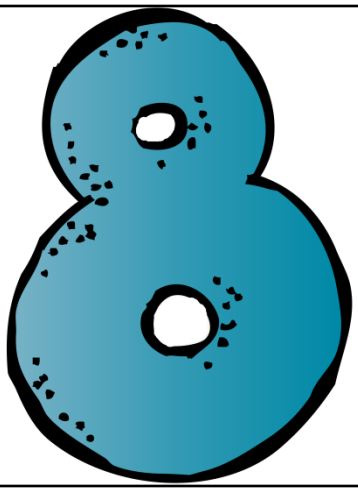
Non standard ruler

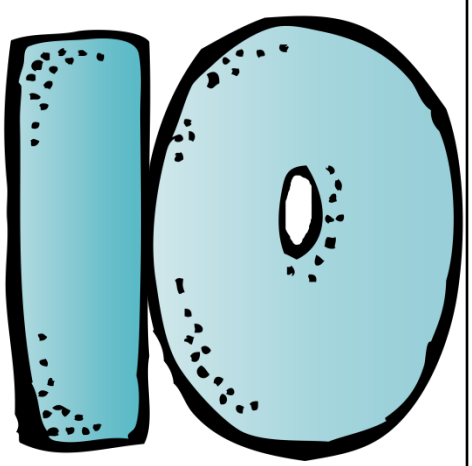




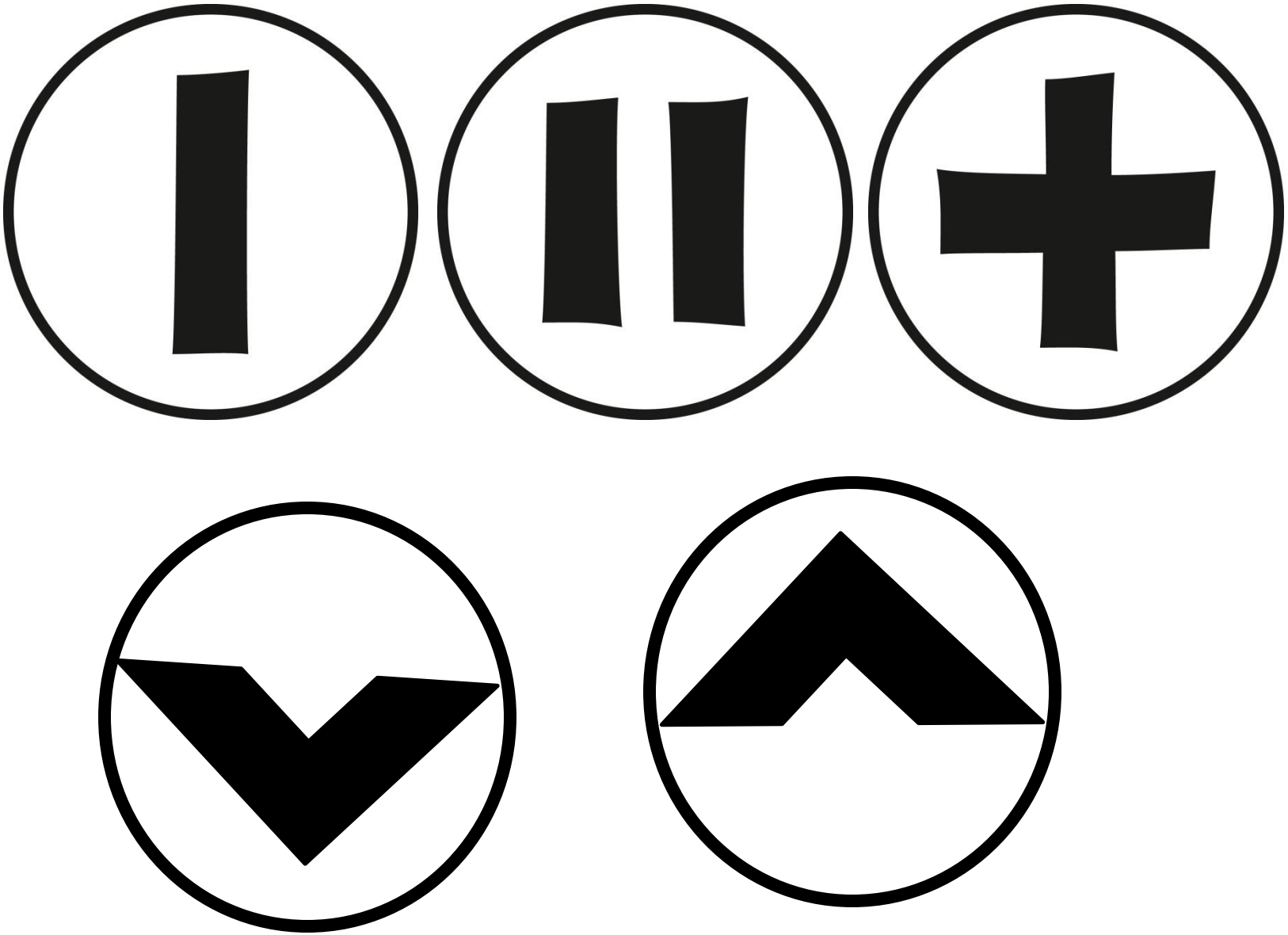


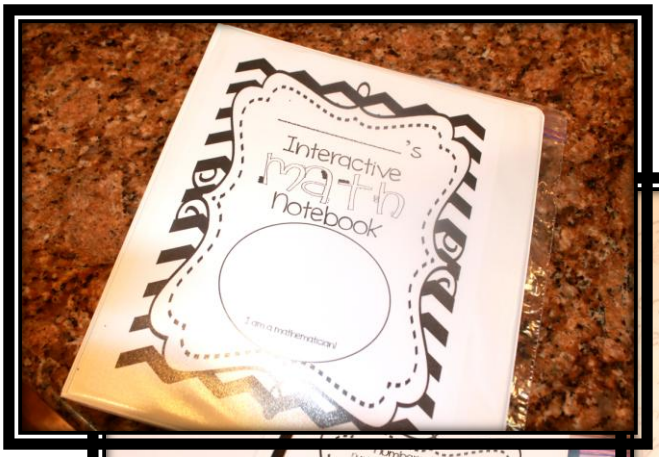




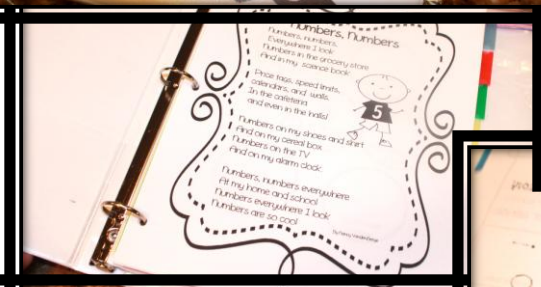


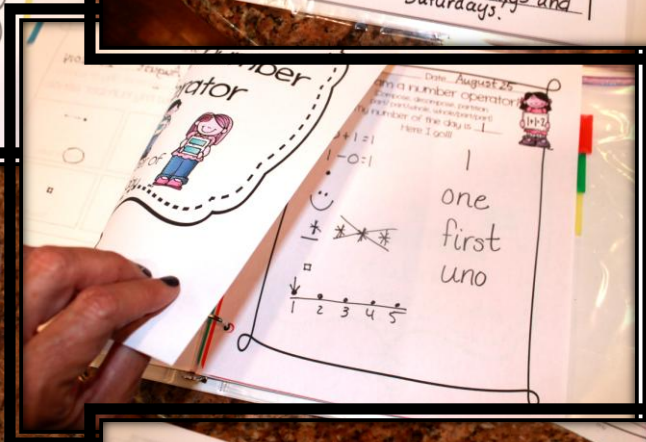
Number Cards



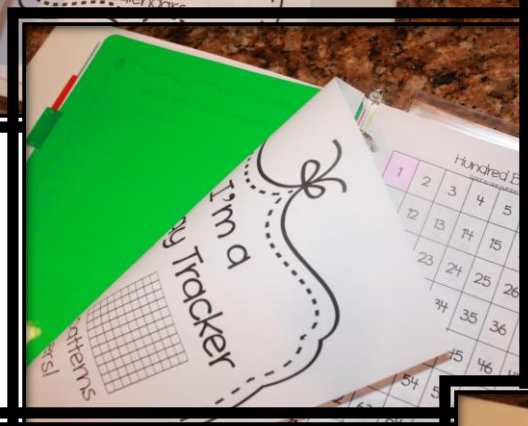

Interactive
math
notebook


August
There are 31 days in this month.
Something special that will happen this month is
my birthday
An interesting pattern I notice about this calendar month is
There are 5 Sundays and 5 Saturdays.


Numbers, Numbers
Numbers, numbers
Everywhere I look
Numbers in the grocery store
And in my science book
Price tags, speed limits,
calendars, and, wells,
On the cafeteria
and even in the halls!
Numbers on my shoes and shirt
And on my cereal box
Numbers on the TV
And on my alarm clock
Numbers, numbers everywhere
At my home and school
Numbers everywhere I look
Numbers are so cool.


Date: August 26
1
one
first
uno


I Can
"Guess What
Day It Is!!"


I'm a
Tracker


Ten Frame Fill


Weather Watcher
Month
Sunny
Cloudy
Rainy
Snowy
Foggy