STEAM

SCIENCE • TECHNOLOGY • ENGINEERING • ARTS • MATHEMATICS

My Name:_____

Color in this picture. This was painted by Vincent van Gogh. It is called *Starry Night.*

Do all of these:

- ☐ page 1
- ☐ page 2
- ☐ page 3
- ☐ page 4
- ☐ page 5
- ☐ page 6
- ☐ page 7
- ☐ page 8
- ☐ page 9
- ☐ page 10
- ☐ page 11
- ☐ page 12
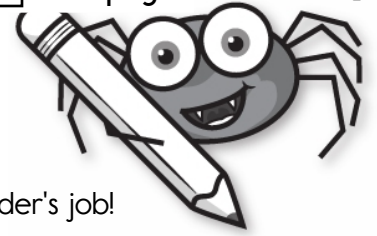
Write in <bold>Bold</bold>.

Write in **Bold.**

Spider works at Chem Corp. Her job is to make web pages. After all, that is a spider's job!

Spider is teaching a class on making web pages. She is teaching about bold.

Spider Writes:

- Spider makes <bold>web pages</bold>.

- Making <bold>web pages</bold> is cool!

- <bold>Spider</bold> likes to <bold>code</bold>!

Web Page Looks Like:

- **Spider makes web pages.**

- **Spider likes to code**!

- Making **web pages** is cool!

- Spider makes **web pages**.

- **Making web pages is cool!**

- **Spider** likes to **code**!

Spider is making her web page. This is what she wants it to look like:

Spiders have **eight legs**.

Spider wrote:

Spiders have <bold>eight legs</bold>.

You are making your own web page. This is what you want it to look like:
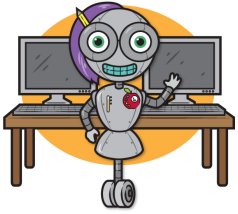
A butterfly is an **insect**.

How would you code that for the web? Pretend you are a spider if you have to!

Miss Meena is your new math teacher. And she is a robot!
She doesn't talk. Do you know how she teaches her class?

Dr. Programmer typed:

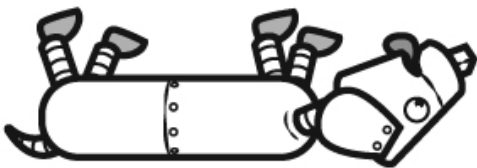The computer replied:

```
x = 5
print ("What is x?")

print (x)
```

<u>What is x?</u>
<u>5</u>

```
x = 78
print ("What is x?")

print (x)
```

———— —— ——
——

```
x = 5
y = 6
print ("What is x + y?")

Answer = x + y
print (Answer)
```
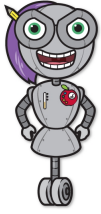
<u>What is x + y?</u>
<u>11</u>

Can you read that? That is how Miss Meena teaches. Shes codes computer programs. Did you guess correctly what the computer replied with? Don't ask robot dog!

Can you figure these out?

---

x = 661

y = 76

print ("What is y?")

print (y)

---

x = 34

y = 42

print ("What is x + y?")

Answer = x + y

print (Answer)

_ _ _ _   _ _   _   _   _ _

_ _

---

x = 10

y = 86

print ("What is y - x?")

Answer = y - x

print (Answer)

_ _ _ _   _ _   _   _   _ _

_ _
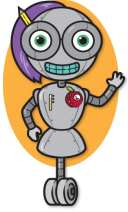
You getting this? Hey! Is Miss Meena mean? She is not! She's Meena. But now she's getting mad! Try this on for size!

Dr. Programmer typed:

The computer replied:

Boys = 12
Girls = 7

Answer = Boys - Girls
print   ("There are ",Answer,
         "more boys in the class.")

<u>There are 5 more boys in the class.</u>

Boys = 11
Girls = 15

Answer = Girls - Boys
print   ("There are ",Answer,
         "more girls in the class.")

———— ——— — ————
———— —— ———
—————

Boys = 11
Girls = 7

Answer = Boys + Girls
print   ("There are ",Answer,
         "kids in the class.")
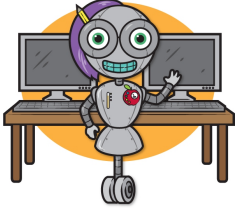
Miss Meena is mad. Addition and subtraction are too easy.
She made something up. She calls it puddytraction!

---

x = 80
x = x + 3
print (x)

<u>8 3</u>

---

x = 89
x = x + 7
print (x)

——

---

x = 83
x = x + 7
print (x)

Apples = 18
BugAte = Apples - 6
print ("The bugs ate ",BugAte," apples.")

——— ———— ———
—— ————————

Apples = 19
BugAte = Apples - 6
print ("How many apples left?")
Answer = Apples - BugAte

print (Answer)

——— ———— ———————
—————
—
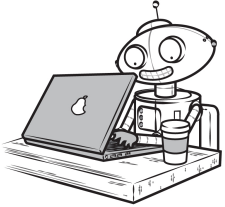
Okay, you are really programming! Yes, some people may call this algebra. But puddytraction is so much cooler! Wow.

```
x = 41
d = x + 5
print  ("x is ",x,
       "d is ",d)
```

<u>x i s 4 1</u>
<u>d i s 4 6</u>

```
x = 27
d = x + 6
print  ("x is ",x,
       "d is ",d)
```

_ __ __
_ __ __

```
x = 67
d = x + 4
print  ("x is ",x,
       "d is ",d)
```

```
Apples = 13
BugAte = Apples - 6
print ("How many apples left?")
Answer = Apples - BugAte

print (Answer)
```

___ ____ _____
_____
_

Name: _____

Can you draw lines to cover every number or shape in the picture?

You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

The first one is already done for you. Good luck.

Draw exactly 8 lines.
Start on 1.
Do not pick up your pencil.
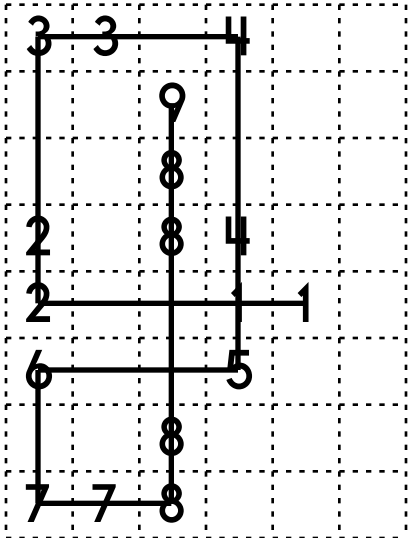
Draw exactly 5 lines.
Start on 1.
Do not pick up your pencil.
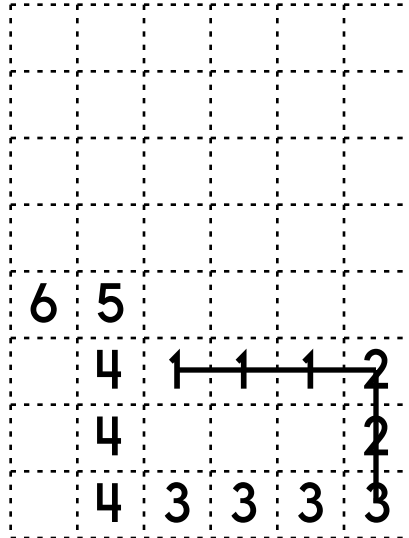
Draw exactly 5 lines.
Start on the square.
Do not pick up your pencil.
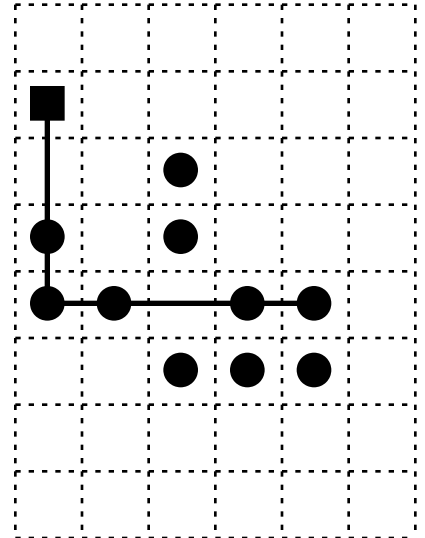
Draw exactly 6 lines.
Start on the square.
Do not pick up your pencil.
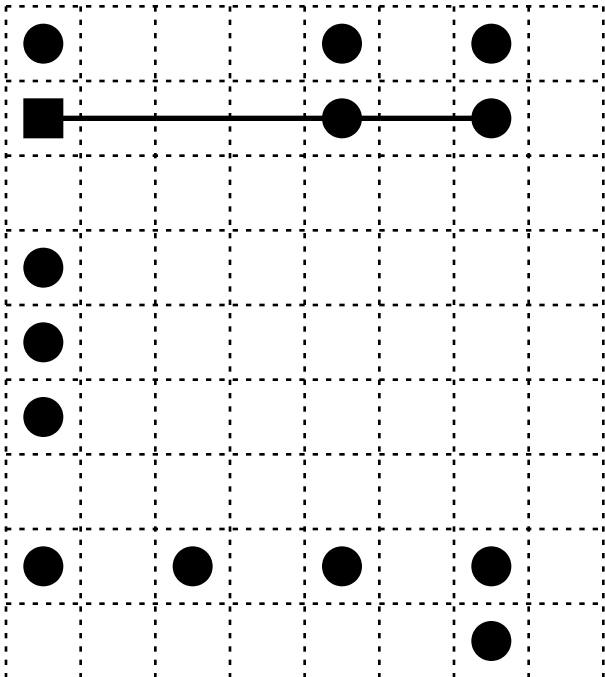
Draw exactly 8 lines.
Start on the square.
Do not pick up your pencil.
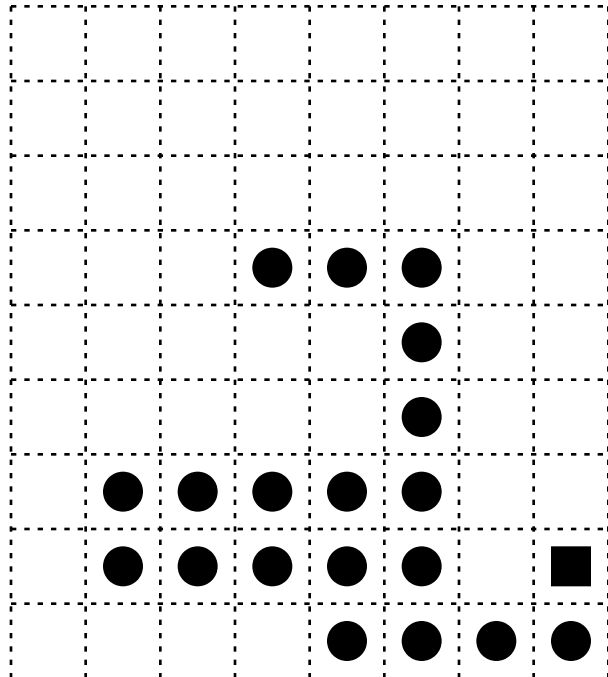
Math Tricks

Quickly, what is 7 + 9? Is it 16? Maybe 15? It's uh... [using fingers]. You're kidding!
When you add a number to 9, the answer is 10 + that number - 1.

+9 Rule

$$\# + 9 = \boxed{1}\ \boxed{\# - 1}$$

$$3 + 9 = 12$$
$$5 + 9 = 14$$

# = 2	# = 6	# = 4	# = 5
2 + 9 = 1 ⎣**2** - 1⎦	__ + 9 = 1 ⎣__ - 1⎦	__ + 9 = 1 ⎣__ - 1⎦	__ + 9 = 1 ⎣__ - 1⎦
= **1 1**	= __ __	= __ __	= __ __

4 + 9 = **1 3**
Since 4 - 1 = 3

1 + 9 = **1** __
Since 1 - 1 = 0

2 + 9 = **1** __
Since 2 - 1 = 1

9 + 9 = **1** __
Since 9 - 1 = 8

7 + 9 = **1** __
Since 7 - 1 = 6

5 + 9 = **1** __
Since 5 - 1 = 4

8 + 9 = **1** __
Since 8 - 1 = 7

6 + 9 = **1** __
Since 6 - 1 = 5

Write in your own words how to add a number to 9.

 Step 1: _____

_____

_____

_____

_____

_____

_____

Name: _____

9 + 5 = _____

9 + 4 = _____

9 + 2 = _____

2 + 9 = _____

9 + 5 = _____

3 + 9 = _____

9 + 9 = _____

9 + 9 = _____

9 + 4 = _____

4 + 9 = _____

2 + 9 = _____

8 + 9 = _____

Spin fidget spinner. Quick! Add. Complete each number bond. Do as many as you can before it stops.

15			
9 6	9 7	1 9	9 4
9 9	6 9	8 9	9 4
6 9	9 5	9 3	8 9
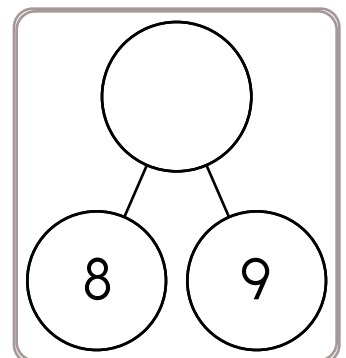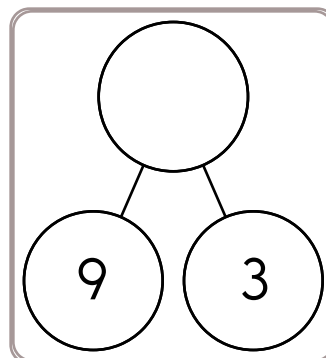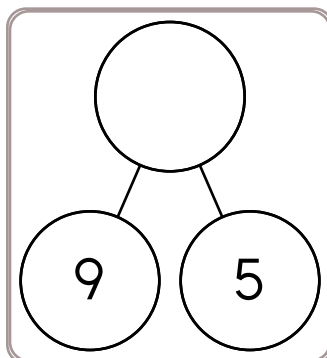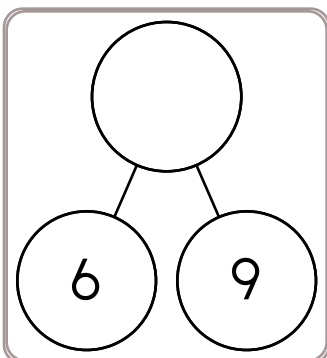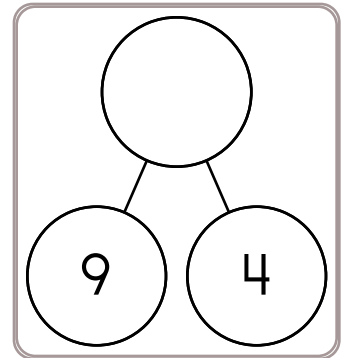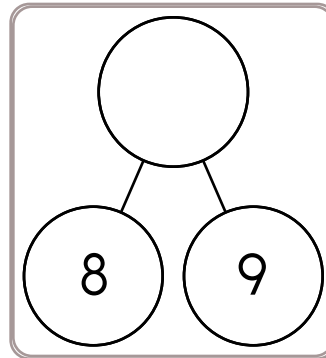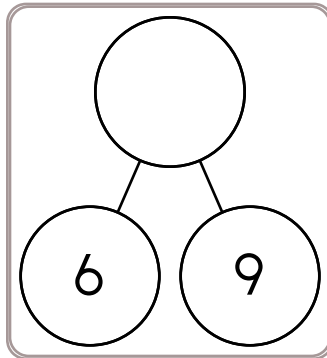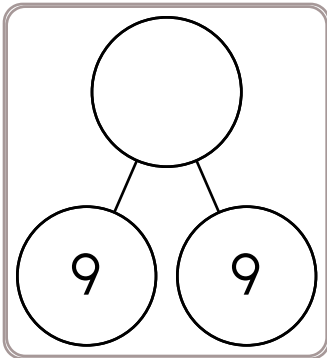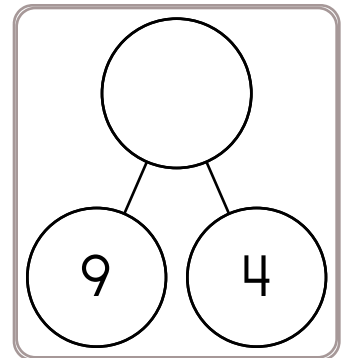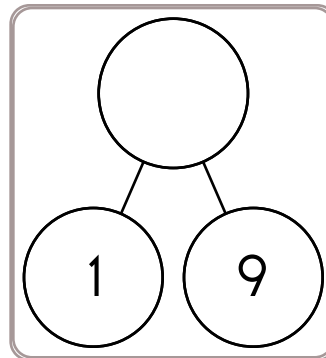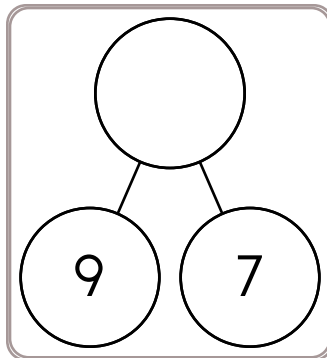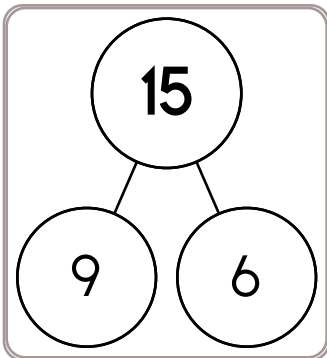
edHelper

3 + 9 = _____

9 + 3 = _____

1 + 9 = _____

9 + 5 = _____

9 + 7 = _____

9 + 9 = _____

9 + 6 = _____

9 + 9 = _____

6 + 9 = _____

9 + 1 = _____

9 + 5 = _____

8 + 9 = _____

Spin fidget spinner. Quick! Add. Complete each number bond. Do as many as you can before it stops.

11 / 2 9	○ / 8 9	○ / 1 9	○ / 9 3
○ / 9 4	○ / 9 8	○ / 5 9	○ / 7 9
17 / ○ ○	**15** / ○ ○	**18** / ○ ○	**16** / ○ ○
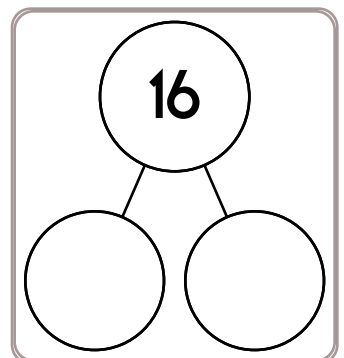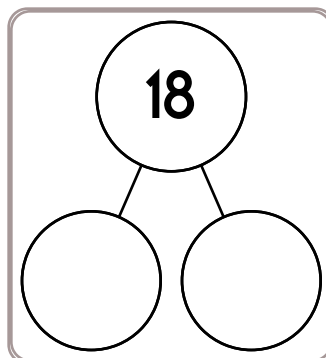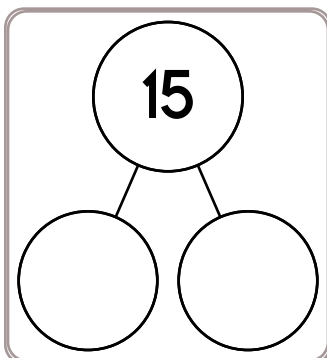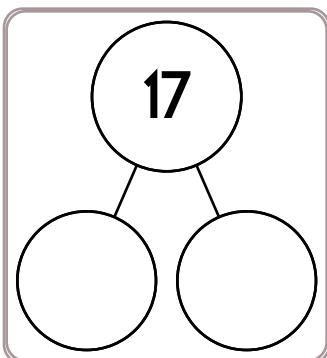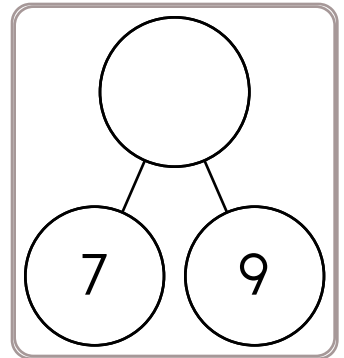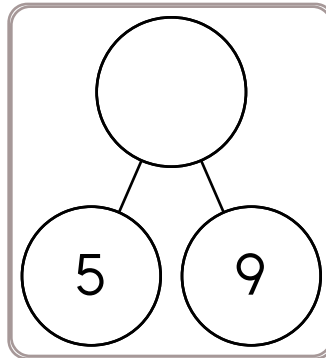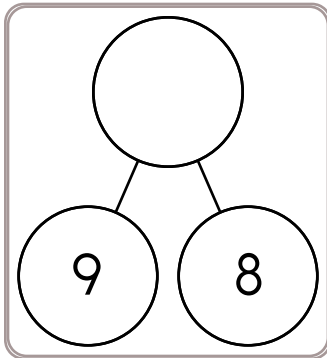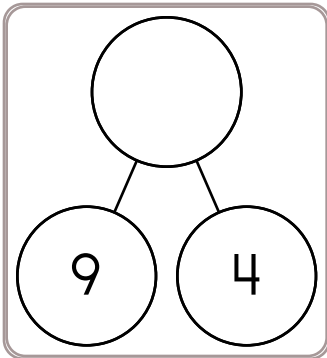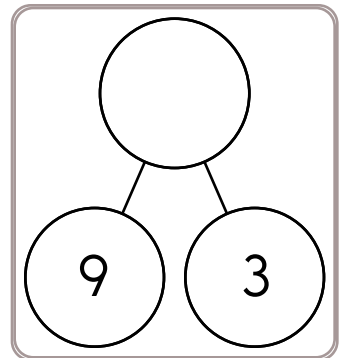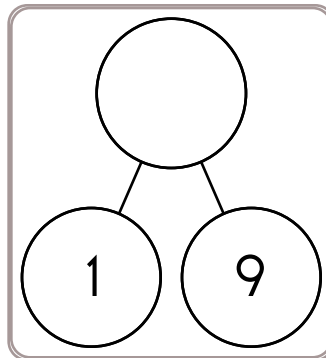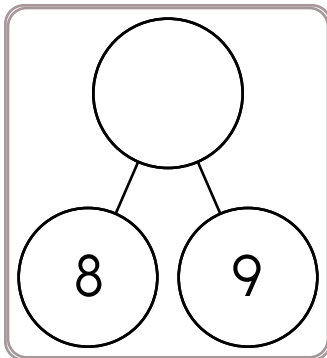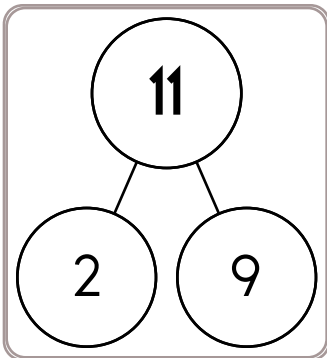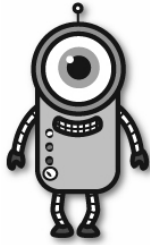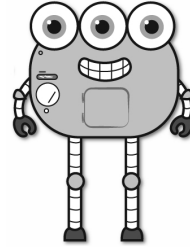
Ava   Connor   Erin   Max   Anna   Adam
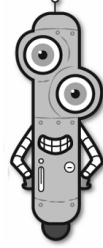
Facts

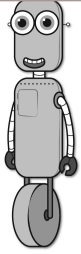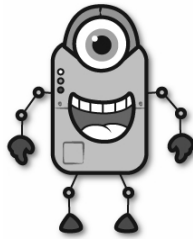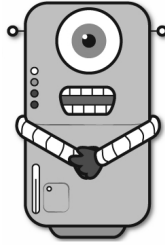Adam is sixty-five years older than Ava.

Ava is six years old.

Connor is forty-seven years older than Ava.

Anna is nineteen years older than Connor.

Max is thirty-five years older than Erin.

Erin is thirty-three years older than Ava.

How old is Ava? _____

How old is Connor? _____

How old is Erin? _____

How old is Max? _____

How old is Anna? _____

How old is Adam? _____

$$\begin{array}{r} 8\ 7\ 8 \\ -\ 3\ 0\ 6 \\ \hline \end{array}$$

10 x 9 =

In each pair, circle the word that is spelled correctly.

unfair, unfare

uze, use

weeve, weave

Hurricanes

What do hurricanes need to form?

☐ sharks
☐ warm temperatures
☐ sand
☐ warm water
☐ sea salt
☐ low air pressure
☐ moist ocean air
☐ freezing water
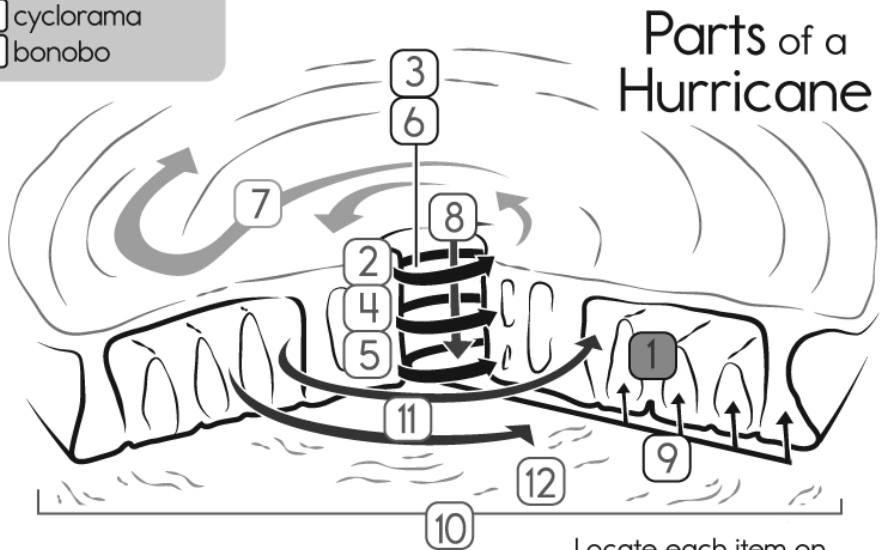☐ tropical winds
☐ full moon
☐ seaweed

Hurricane season is June through November. Why do you think this is?

_____

_____

_____

_____

Which two things are hurricanes also called?

☐ typhoon
☐ spinaround
☐ tornado
☐ cyclone
☐ tsunami
☐ cyclorama
☐ bonobo

What are some things people can do to stay safe in a hurricane?

_____ _____

_____ _____

_____ _____

_____ _____

Would your name make a good hurricane name? Try it out.

Hurricane _____
(your first name)

Parts of a Hurricane

Locate each item on the diagram and color to match.

☑ 1.) rain bands
☐ 2.) eye wall
☐ 3.) eye
☐ 4.) strongest winds, 74 mph+
☐ 5.) heaviest rain
☐ 6.) calm weather
☐ 7.) upper level winds
☐ 8.) cool, dry air sinking
☐ 9.) warm, moist air rising
☐ 10.) 300 miles wide, on average
☐ 11.) counterclockwise rotation
☐ 12.) warm water, 80°+

Which states are often affected by hurricanes? Color your answers.