

Letter to TK Parents

Enclosed you will find a packet of materials and resources to support your Transitional Kindergartener's mathematical knowledge. These lessons were carefully crafted to support the goals for this year.

Each day your child will do three things:

1. Activity (choose 2 per day from Counting, Shapes, Patterns/Sorting, Measurement, and Comparison)
2. Number Writing
3. Problem Solving

Your child will use the following supplies:

- Pencil
- Crayons
- Scissors
- Small items to count-
 - Buttons, beans, coins, macaroni, plastic bottle caps, or anything in the home that is safe to hold and count

We have enclosed a calendar to help you organize the work. Your child's teacher will contact you regularly to discuss your progress and answer your questions. You may want to reflect on any of these questions with your teacher:

- What activities did your child/children enjoy the most?
- Which activity needed more time?
- Which activity will you repeat more often?
- What new vocabulary words might I use next time with my child during math time?

Please use this time to have fun with math! Highlight examples of math in your environment. Talk about measurement when cooking, count items in the house, when folding socks pair them and count by twos. Math is all around us so use the time to notice this!



YouTube Video Recommendations

Oral/Rote Counting

- Learning to Count to 120 - Jack Hartmann
- Count by 10's to 120 - Jack Hartmann
- Counting On by 1's - I Can Count From Any Number (low numbers) – Jack Hartmann
- Counting On by 1's - I Can Count From Any Number (1-20) – Jack Hartmann
- Counting On by 1's - I Can Count From Any Number (high numbers) - Jack Hartmann
- Counting On by 1's - I Can Count From Any Number (open answer version1) - Jack Hartmann
- Counting On by 1's - I Can Count From Any Number (open answer version2) - Jack Hartmann

Subitizing

- The Subitizing Song! (Version 1 - dots, ten frames, fingers, 0-10) – Harry Kindergarten
- Subitize Up to 5 - Jack Hartmann
- Subitize Rock (up to 10) - Jack Hartmann
- Subitize Up to 5 Rap - Jack Hartmann
- Subitize Country Style (up to 10) - Jack Hartmann

Number Bonds

- Number Bonds to 6 - Jack Hartman
- Number Bonds to 7 - Jack Hartmann
- Number Bonds to 8 - Jack Hartmann
- Number Bonds to 9 - Jack Hartmann
- Number Bonds to 10 - Jack Hartmann
- Number Bonds 11-19 - Jack Hartmann
- I Can Say My Number Pairs 10 - Jack Hartmann

Teen Numbers

- Numbers in the Teens They Start With a 1 - Harry Kindergarten
- Numbers in the Teens Have a Group of 10 - Harry Kindergarten

Subtraction

- When You Subtract With a Pirate (up to 10) - Harry Kindergarten

Online Game Recommendations

Greg Tang Math <http://www.gregtangmath.com/games>

- Ten Frames
- How Many?
- Break Apart

PBS Kids: Peg + Cat <https://pbskids.org/peg/games>

- Chicken Dance (patterns)
- The Big Dog Problem (math story)
- Magical Shape Hunt (shapes)

April

2020

Transitional Kindergarten Distance Learning

| 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 |
| | Activity (Pick 1 from each section) <ul style="list-style-type: none">CountingShapes Number Writing - 1 Math Problem - 1 | Activity (Pick 1 from each section) <ul style="list-style-type: none">CountingPatterns/Sorting Number Writing - 2 Math Problem - 2 | Activity (Pick 1 from each section) <ul style="list-style-type: none">CountingMeasurement Number Writing - 3 Math Problem - 3 | Activity (Pick 1 from each section) <ul style="list-style-type: none">CountingComparing Number Writing - 4 Math Problem - 4 | Activity (Pick 1 from each section) <ul style="list-style-type: none">CountingShapes Number Writing - 5 Math Problem - 5 | |
| 26 | 27 | 28 | 29 | 30 | | |
| | Activity (Pick 1 from each section) <ul style="list-style-type: none">ComparingCounting Number Writing - 6 Math Problem - 6 | Activity (Pick 1 from each section) <ul style="list-style-type: none">ComparingPatterns/Sorting Number Writing - 7 Math Problem - 7 | Activity (Pick 1 from each section) <ul style="list-style-type: none">ComparingMeasurement Number Writing - 8 Math Problem - 8 | Activity (Pick 1 from each section) <ul style="list-style-type: none">ComparingCounting Number Writing - 9 Math Problem - 9 | | |

See Handouts for Activities and Worksheets

May

2020

Transitional Kindergarten Distance Learning

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|---|---|--|---|--|----------|
| | | | | | 1 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Shapes Number Writing - 10 Math Problem - 10 | 2 |
| 3 | 4 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Shapes Number Writing - 1 Math Problem - 11 | 5 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Patterns/Sorting Number Writing - 2 Math Problem - 12 | 6 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Measurement Number Writing - 3 Math Problem - 13 | 7 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Comparing Number Writing - 4 Math Problem - 14 | 8 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Shapes Number Writing - 5 Math Problem - 15 | 9 |
| 10 | 11 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Counting Number Writing - 6 Math Problem - 16 | 12 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Patterns/Sorting Number Writing - 7 Math Problem - 17 | 13 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Measurement Number Writing - 8 Math Problem - 18 | 14 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Counting Number Writing - 9 Math Problem - 19 | 15 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Shapes Number Writing - 10 Math Problem - 20 | 16 |
| 17 | 18 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Shapes Number Writing - 1 Math Problem - 21 | 19 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Patterns/Sorting Number Writing - 2 Math Problem - 22 | 20 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Measurement Number Writing - 3 Math Problem - 23 | 21 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Comparing Number Writing - 4 Math Problem - 24 | 22 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Counting• Shapes Number Writing - 5 Math Problem - 25 | 23 |
| 24 | 25 (Optional School Day) Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Counting Number Writing - 6 Math Problem - 26 | 26 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Patterns/Sorting Number Writing - 7 Math Problem - 27 | 27 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Measurement Number Writing - 8 Math Problem - 28 | 28 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Counting Number Writing - 9 Math Problem - 29 | 29 Activity (Pick 1 from each section) <ul style="list-style-type: none">• Comparing• Shapes Number Writing - 10 Math Problem - 30 | 30 |
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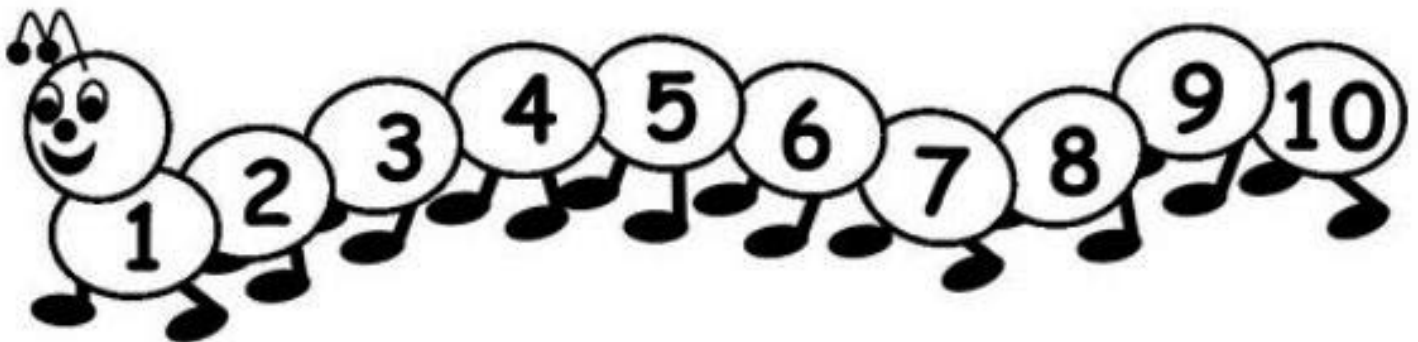
See Handouts for Activities and Worksheets

Transitional Kindergarten Math Activities

The daily calendar will identify an activity category. Select 1-2 activities from the specified categories each day.

The goal is for your child to do the thinking, problem solving, and math work. Please engage your child in conversation about their math thinking and ask guiding questions as they work on the activity.

Place your initials next to the activity once it has been completed.



Counting

- Count the number of body parts. (1 nose, 2 eyes, 2 ears, 10 fingers)
- Count the number of people in the room, sitting at a table, walking around.
- Count buttons, pockets on clothes.
- Count the number of people in the room (or on TV) wearing red, green, blue or yellow.
- Draw a pie or a cookie for each person in your house. Count how many pies or cookies you drew.
- Go on a walk. Count what you see. "I see three ants."
- Go on a walk, pick a category: birds, dogs, trees, flowers, etc. Count what you see. "I see 6 birds."
- Place a few small items (rocks, buttons, or Cheerios) in a bag or under a bowl. Have children estimate "How many do you think there are?" Then have the child count the items. Were they close? Was their estimate more or less than the actual amount?
- Place **Number Cards** 0-5 on the table. Have the child put the number cards in order.
- Match the **Number Cards** to the **Visual Cards** with the same amount least to greatest.
- Count to 10 while they jump, clap, skip etc.
- Build a tower with blocks, Legos or cups. Count how many items were used to build the tower.
- Have the child write numbers with chalk outside. Say the numbers as you write them.
- Count how many doors, windows, chairs, or beds are in the house.
- Count while walking in a circle.
- Count while walking to the mailbox.

Comparing

- ❑ Make a collection of items gathered from around the house or outside. *Count* how many are in the collection. *Sort* the collection. *Compare* items in the collection.
- ❑ Compare two different quantities using words like “more or less/fewer”
- ❑ Jump 2 times. Jump 1 more. How many jumps altogether? Repeat with other movements: hop, bend, stretch.
- ❑ Hide 4 or 5 small objects in your hand; then show your child quickly and have them guess how many you have.
- ❑ Make two groups, each containing 1-5 items. Have your child estimate if one group has more, fewer, or the same as the other group. Ask, “How can we be sure?”
- ❑ Have the child draw a house. Then ask them to draw a dog smaller than the house. Draw a tree bigger than the house. Repeat with other drawings starting with: a car, a tree, a person.
- ❑ See how many different ways your child can make 6 with objects. (Two and four objects, one and five objects, three and three objects) Repeat with 5, 4, and 3.

Patterns and Sorting

- Chant a pattern. “Clap, snap, snap, clap” or “head, shoulders, shoulders, head”
- Sort socks into pairs.
- Sort items by color, shape, size.
- Draw a pattern using a square and a triangle.
- Draw a pattern using a rectangle and a circle.
- Draw a pattern using two different colors.
- Look for patterns while on a walk.

Measurement

- Have your child build two towers. Which is taller?
- Arrange items by height. (books, boxes, people)
- Arrange items by which is longer. (crayons, shoes, carrots)
- Go on a walk and compare. “This rock looks heavier than that rock.” “That red car looks longer than the blue car.”
- Outline your child with chalk on the sidewalk. Use an item (a shoe, a book, a can) to measure their length. “You are 12 shoes tall”

Shapes (See **Shapes** handouts)

- Have your child point out shapes around the house. “That window is a rectangle”
- (squares, rectangles, circles, cylinders, spheres, cones)
- Practice cutting shapes with scissors.
- Count sides of different shapes. “A square has 4 sides”
- Use sticks, straws, or toothpicks to make different shapes.
- Go on a walk and describe where objects are located. “The car is **on** the driveway.” “The house is **next to** the tree, the cat is **under** the tree.”

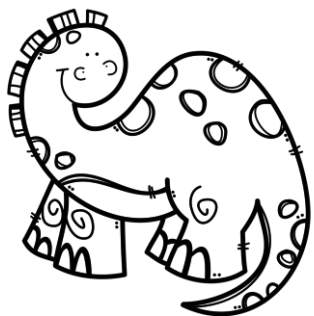
Final Assessment and Instructions

Parents- Please reserve the final page in this packet. Your child's teacher will give you directions regarding this page in the final week of May.

Please remember to check the activities your child has experienced and save this completed packet to return to your child's teacher.



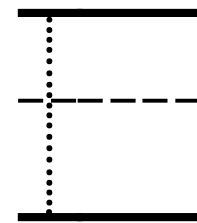
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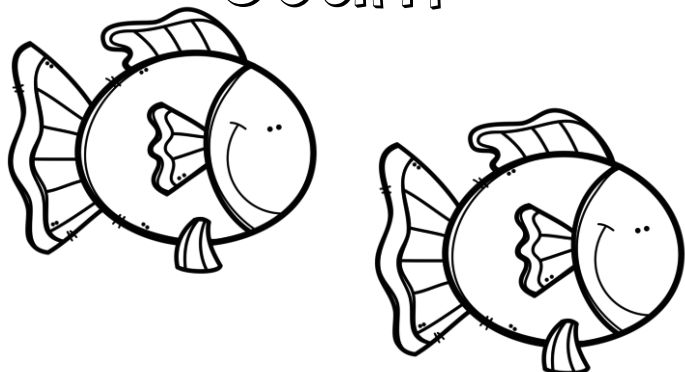
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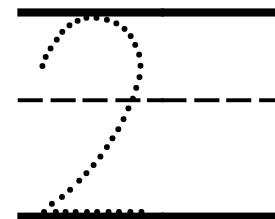
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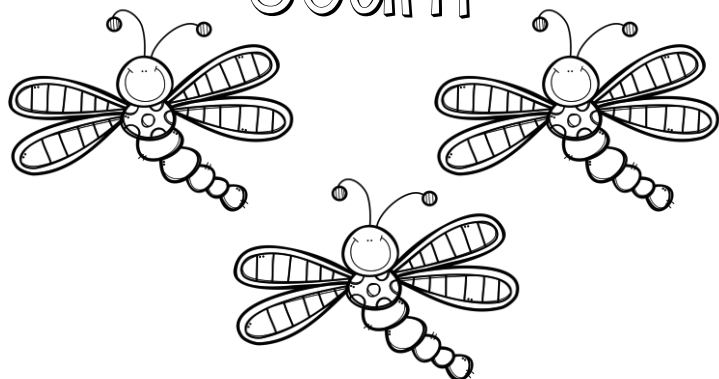
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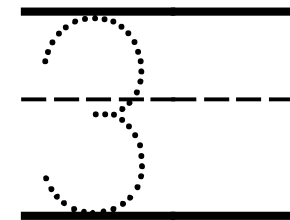
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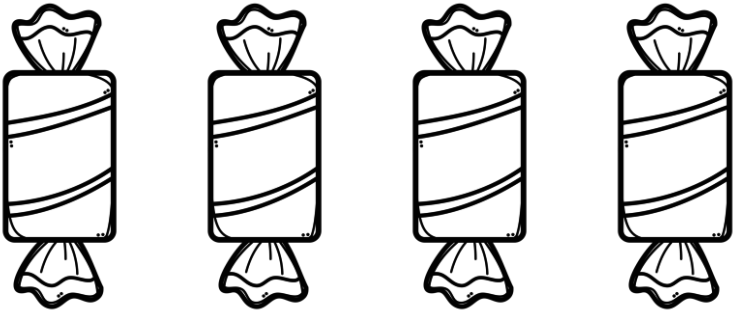
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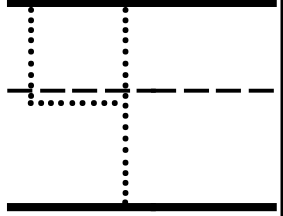
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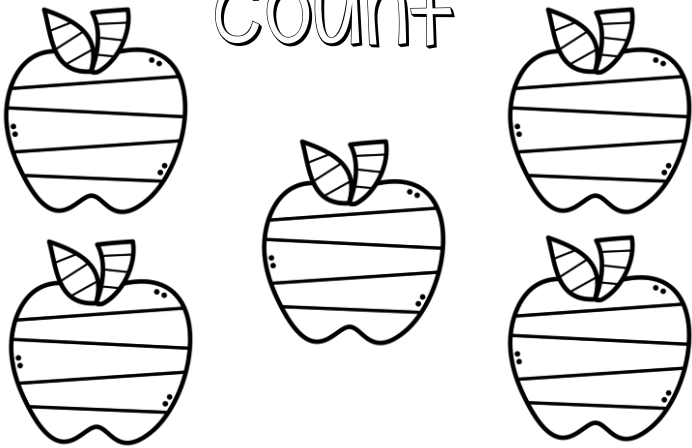
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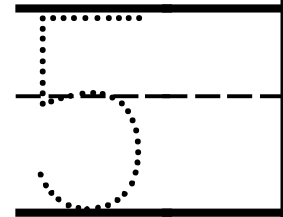
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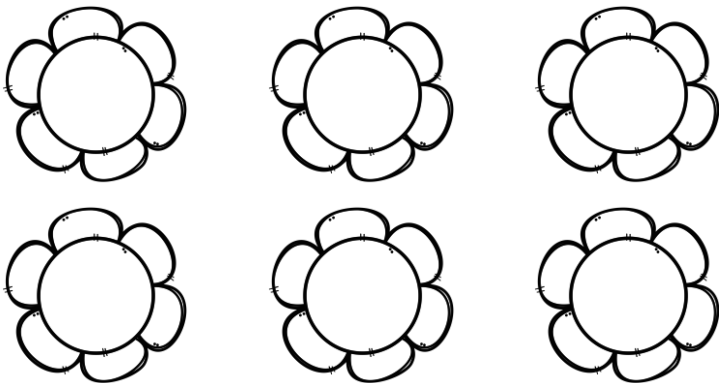
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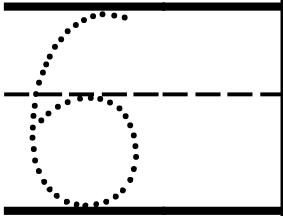
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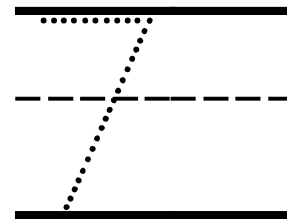
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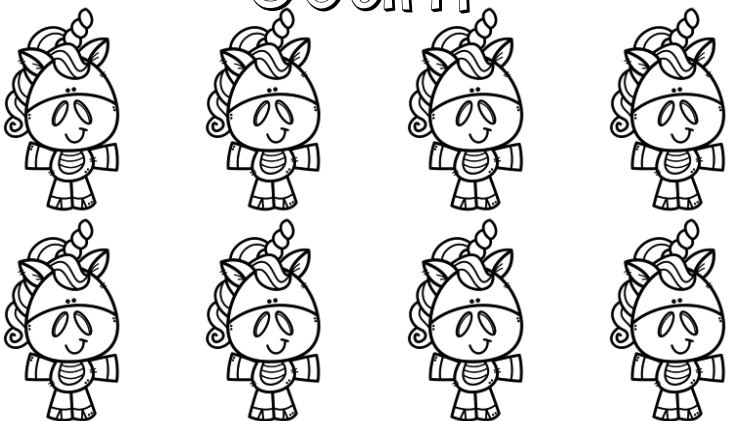
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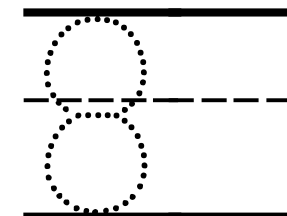
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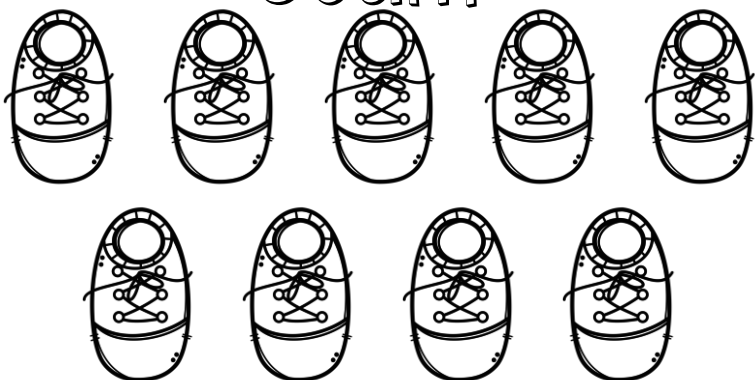
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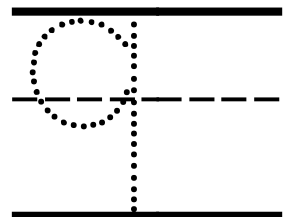
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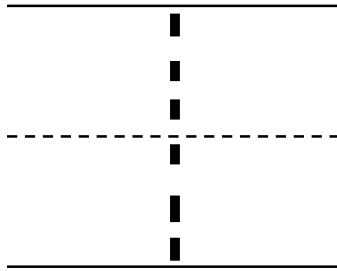


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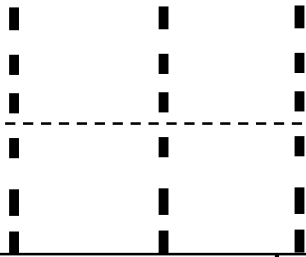
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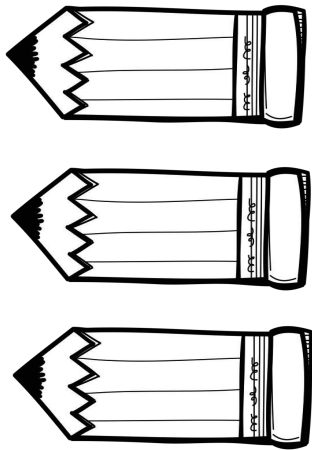




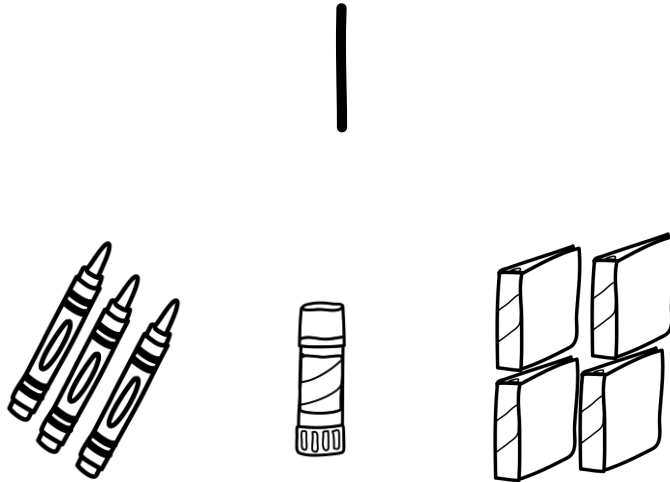
I know all about
the Number 1!



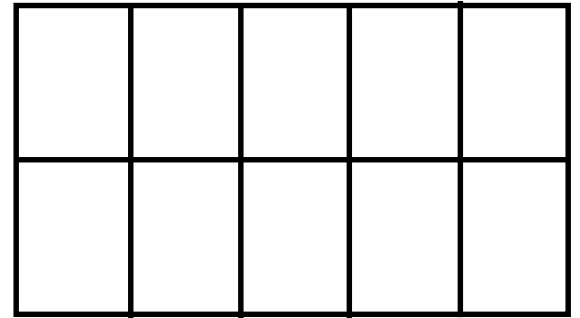
Color 1 pencil

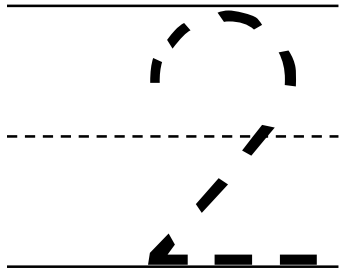


Draw a line to the group of 1

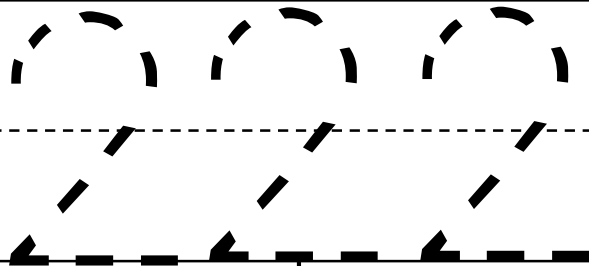


Fill in one square on
the ten frame.

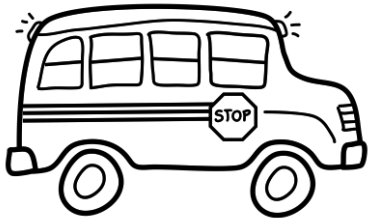
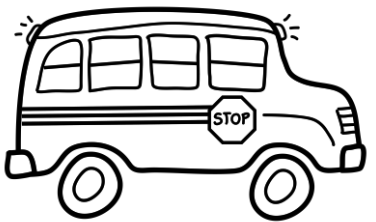




I know all about
the Number 2!

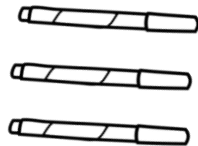


Color 2 buses

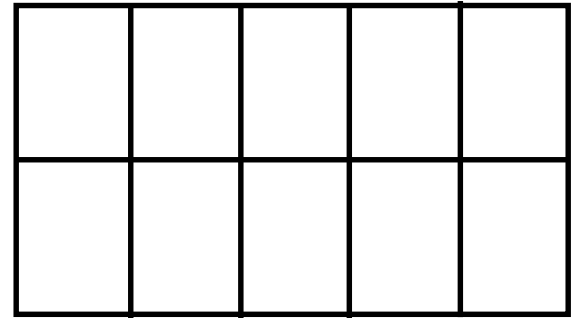


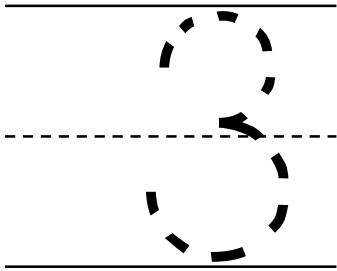
Draw a line to the group of 2.

2

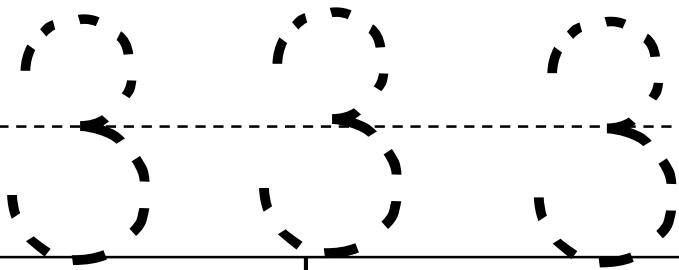


Fill in two squares on
the ten frame.

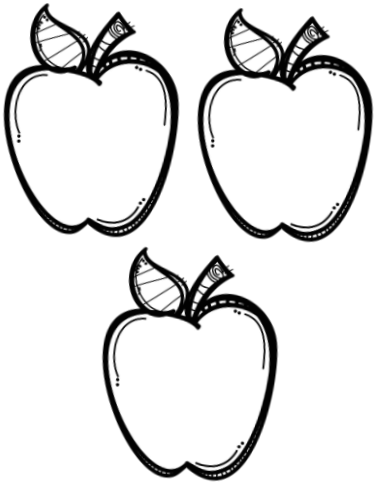




I know all about
the Number 3!

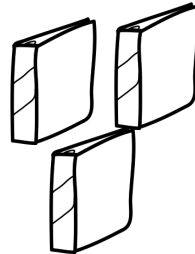
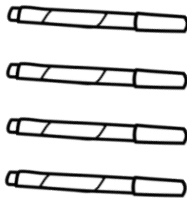


Color 3 apples.

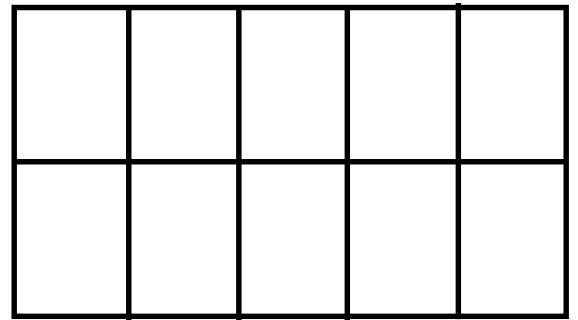


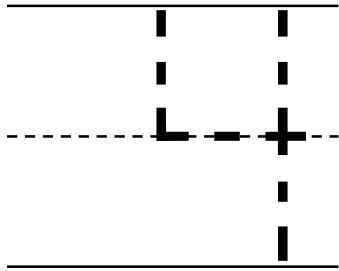
Draw a line to the group of 3.

3

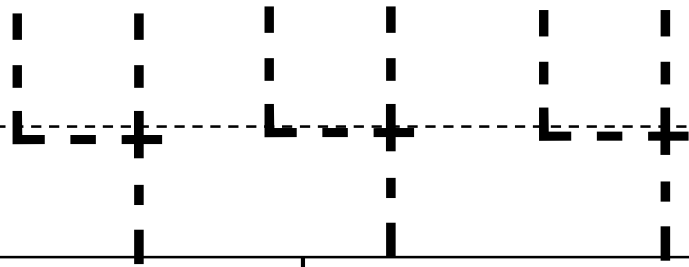


Fill in three squares
on the ten frame.

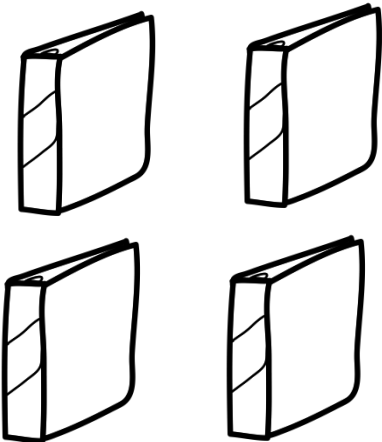




I know all about
the Number 4!



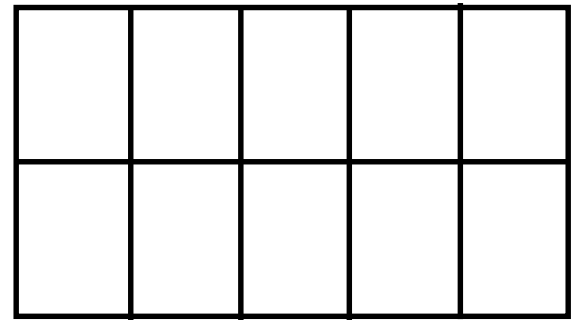
Color 4 books.

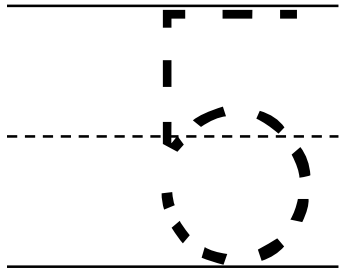


Draw 4 books in the box.

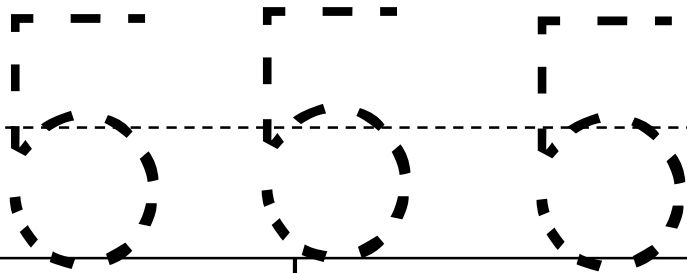


Fill in four squares on
the ten frame.

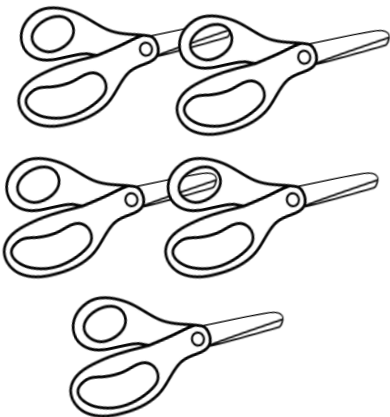




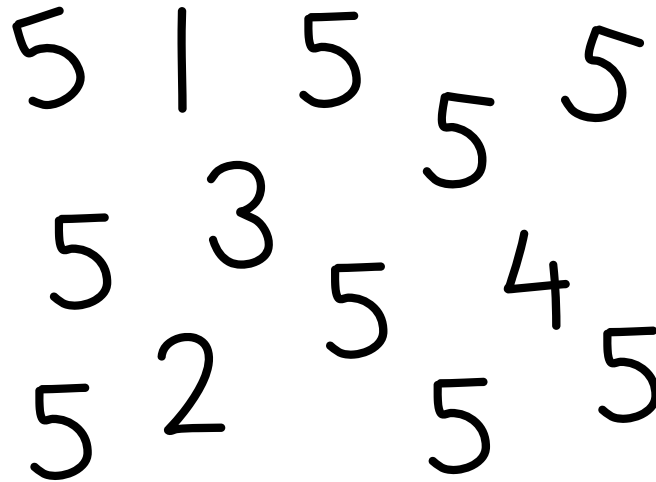
I know all about
the Number 5!



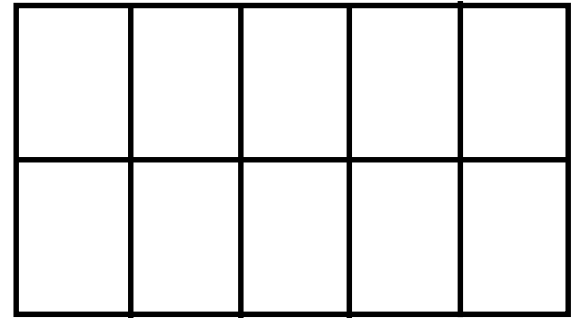
Color 5 scissors.

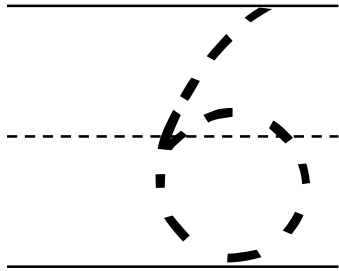


Circle all of the number 5's.

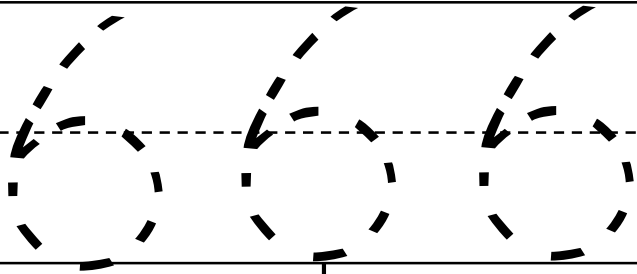


Fill in five squares on
the ten frame.





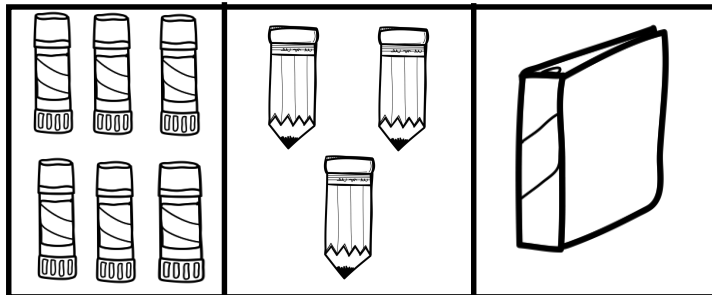
I know all about
the Number 6!



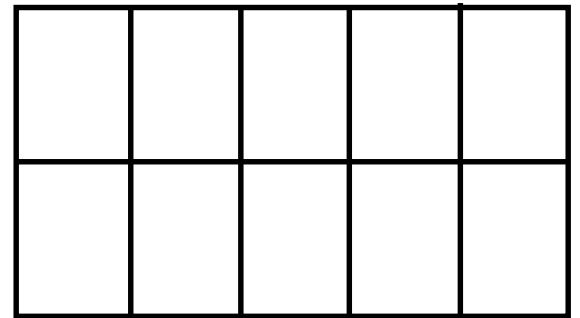
Draw 6 schools.

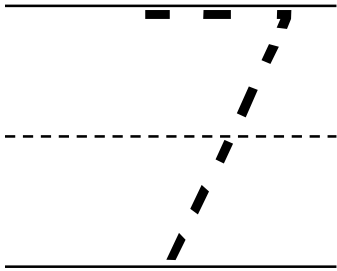
Trace a line to the group of 6.

6

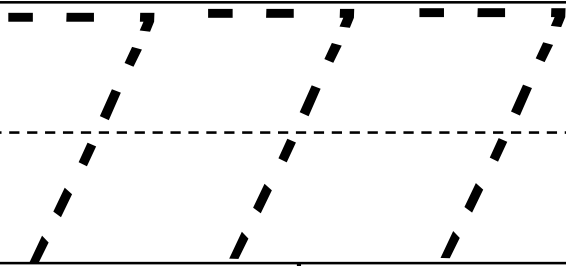


Fill in 6 squares on
the ten frame.

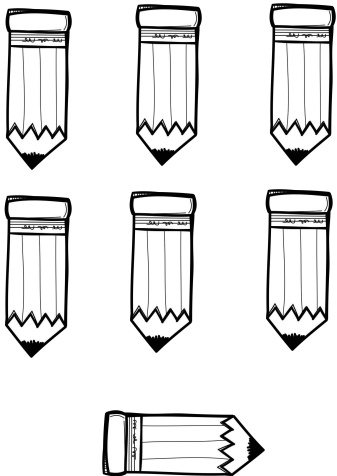




I know all about
the Number 7!



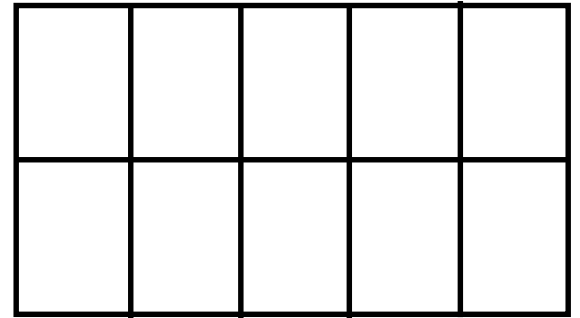
Color 7 pencils.

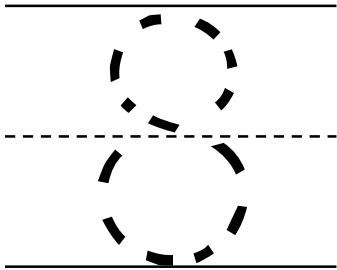


Draw 7 books around the
backpack.

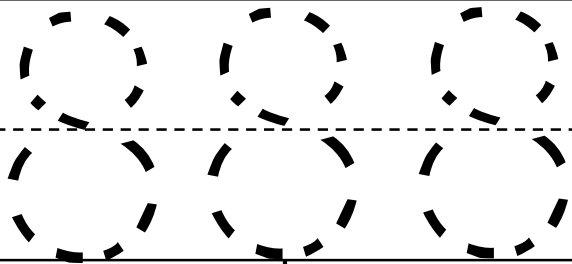


Fill in 7 squares on
the ten frame.



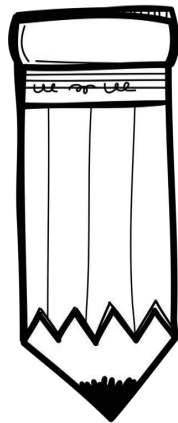


I know all about
the Number 8!



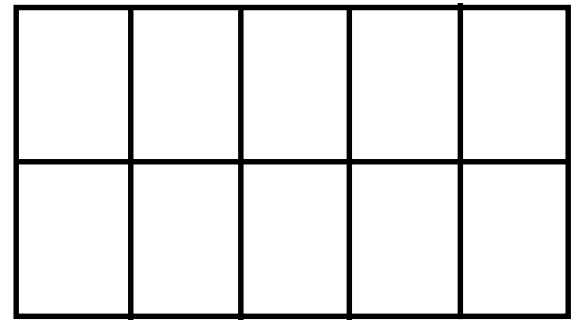
Draw 8 glue
sticks.

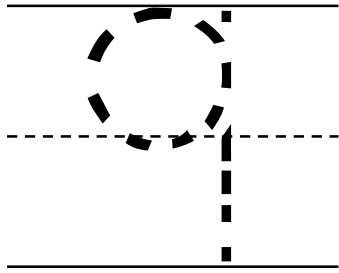
Draw a line from the pencil to
the number 8.



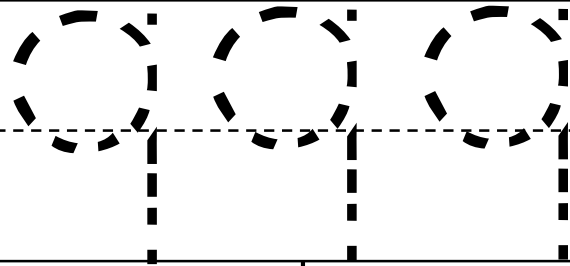
8
5
7

Fill in 8 squares on
the ten frame.

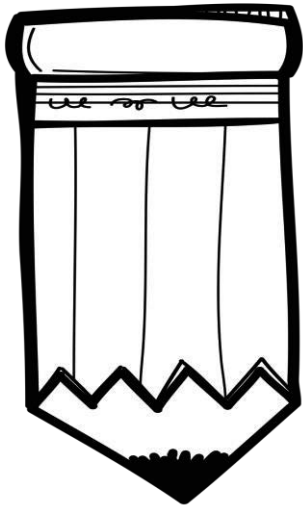




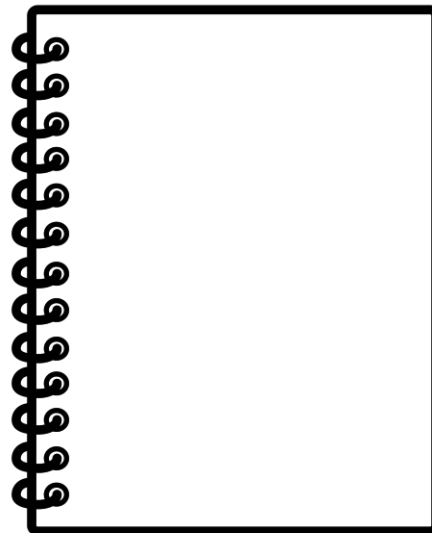
I know all about
the Number 9!



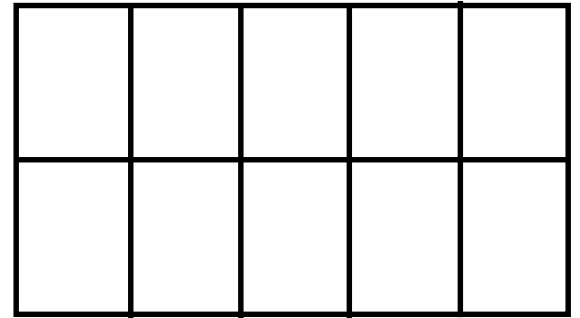
Draw a 9 on the
pencil.

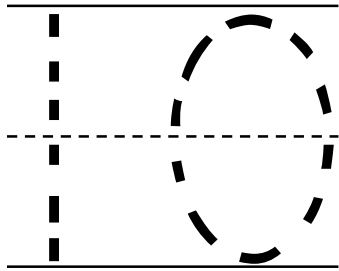


Draw 9 lines on the notebook.

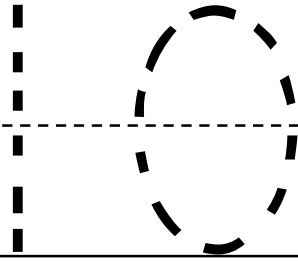
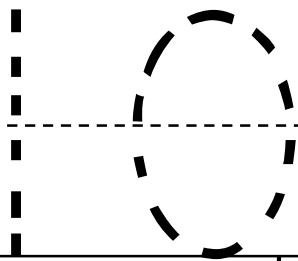


Fill in 9 squares on
the ten frame.



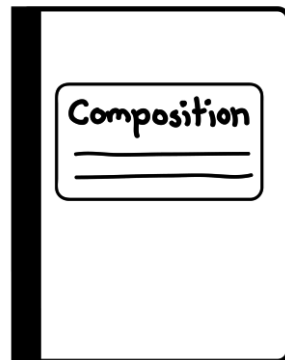


I know all about
the Number 10!



Draw a number
10.

Draw a line from the
notebook to the number 10.

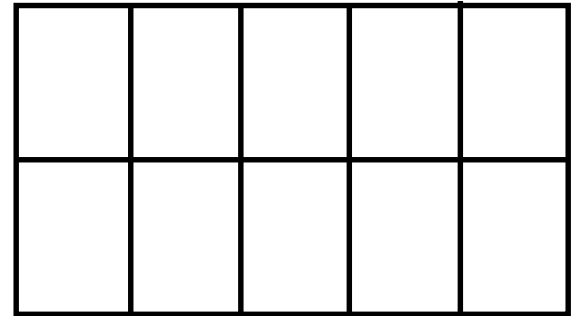


3

10

8

Fill in 10 squares on
the ten frame.

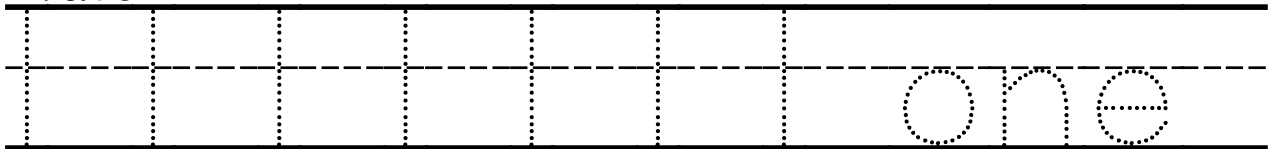


I can count
1
one

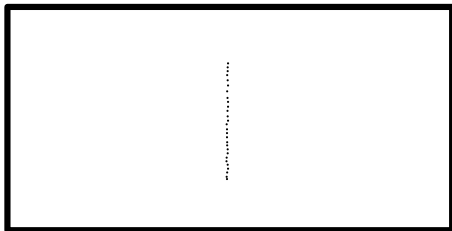
Color



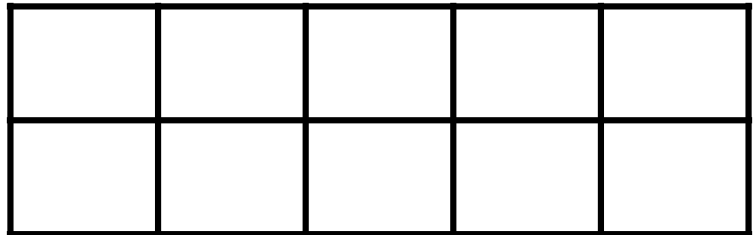
Trace



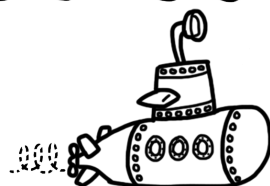
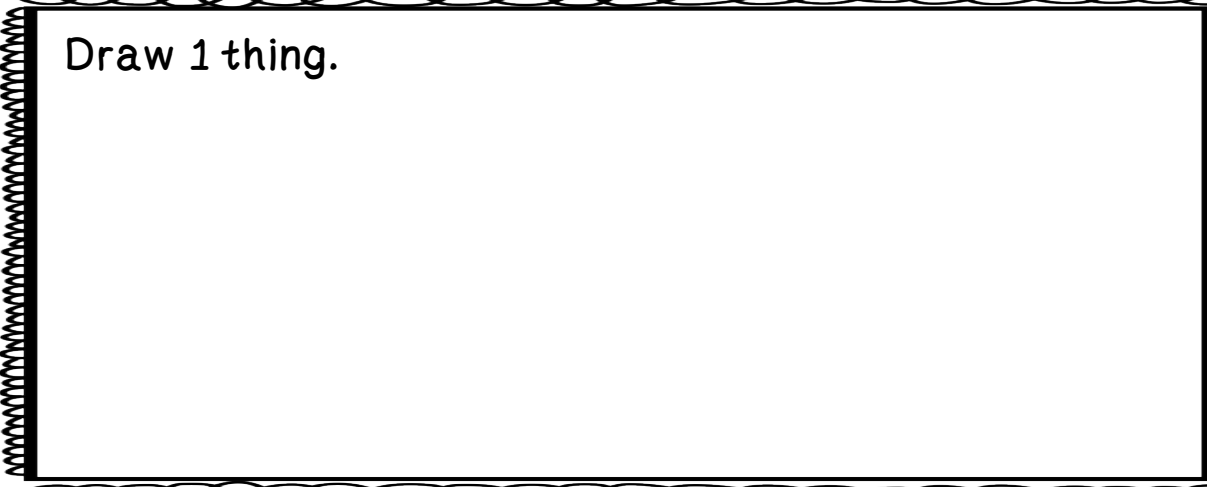
Trace 1 tally.



Make 1 dot.



Draw 1 thing.

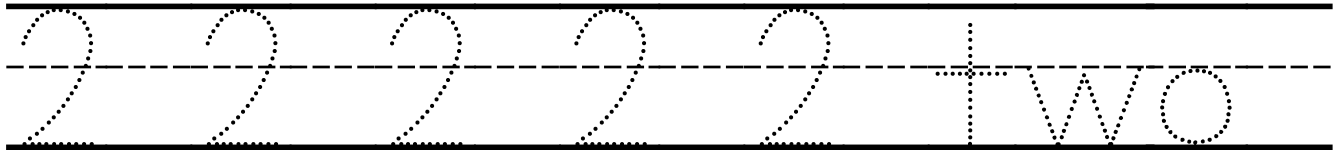


I can count
2
two

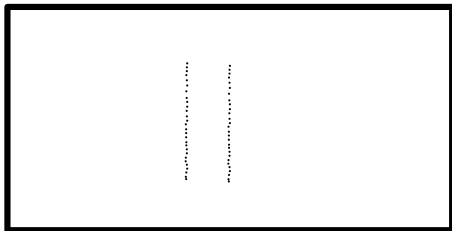
Color



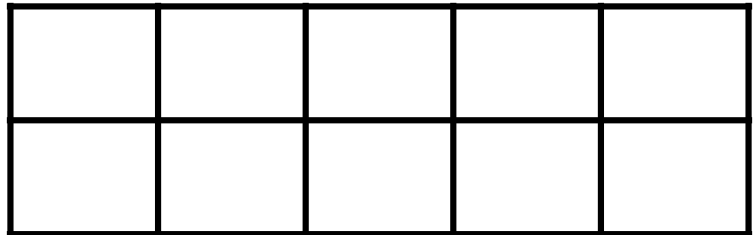
Trace



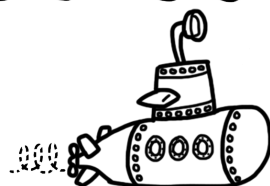
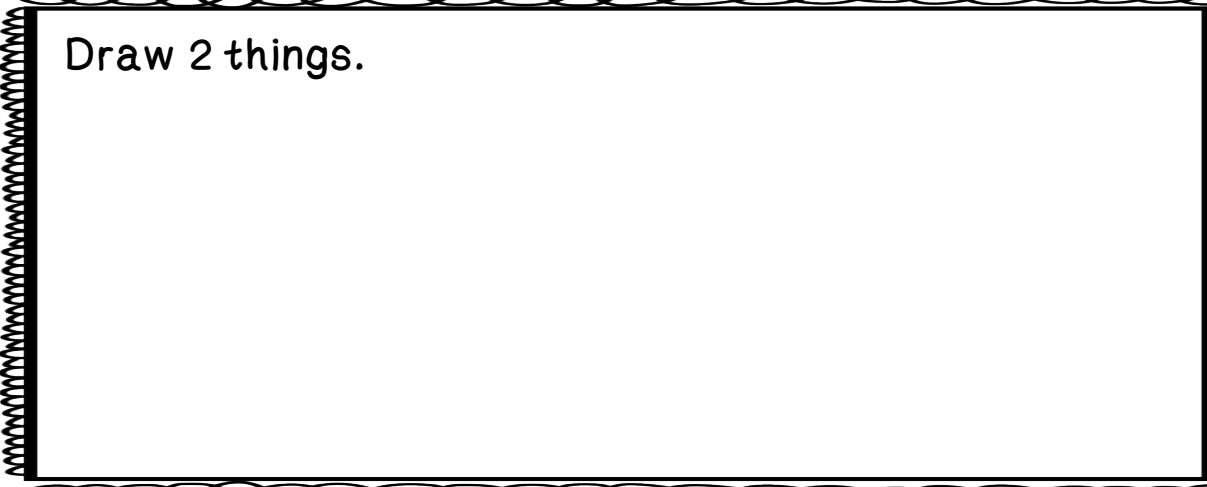
Trace 2 tallies.



Make 2 dots.

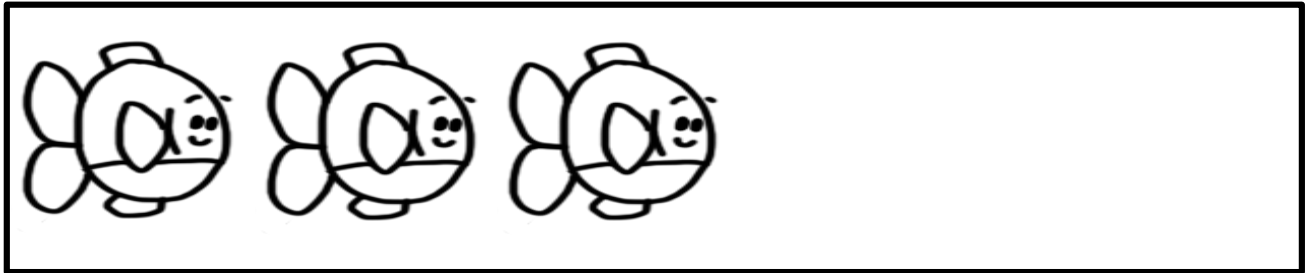


Draw 2 things.

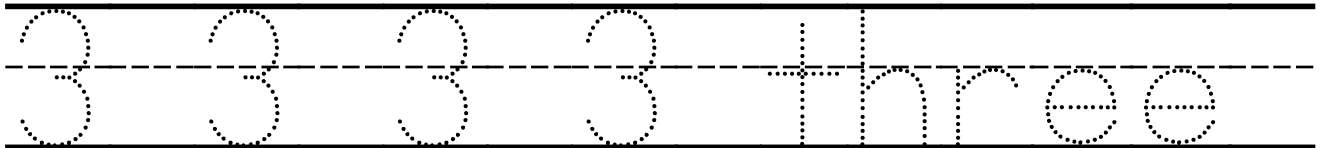


I can count
3
three

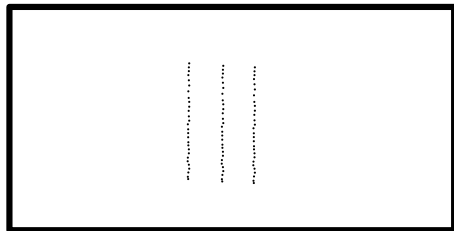
Color



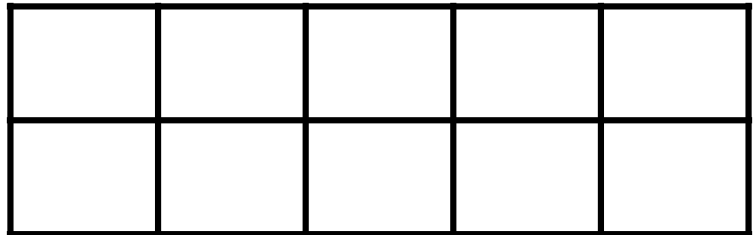
Trace



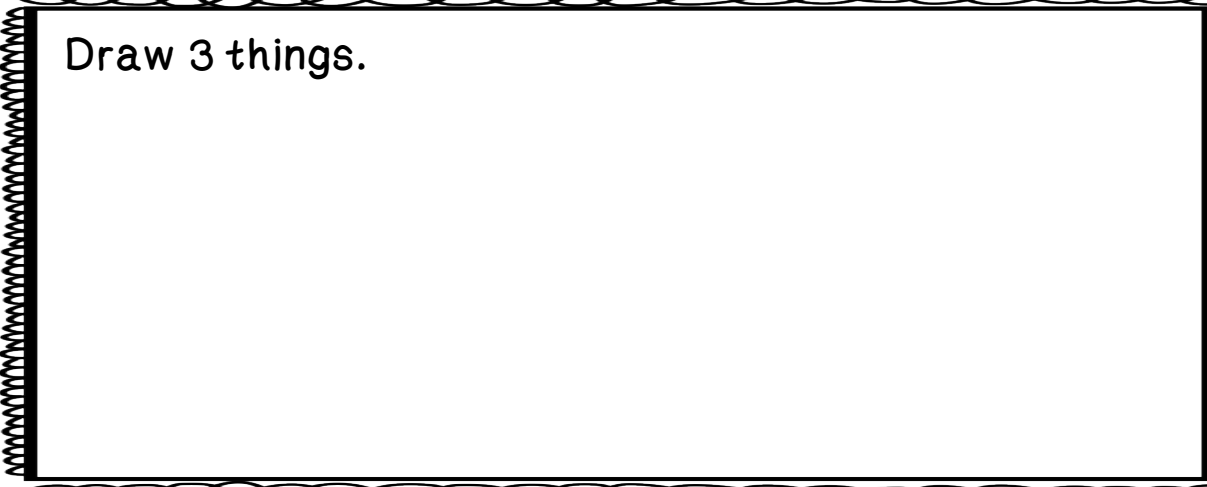
Trace 3 tallies.



Make 3 dots.



Draw 3 things.

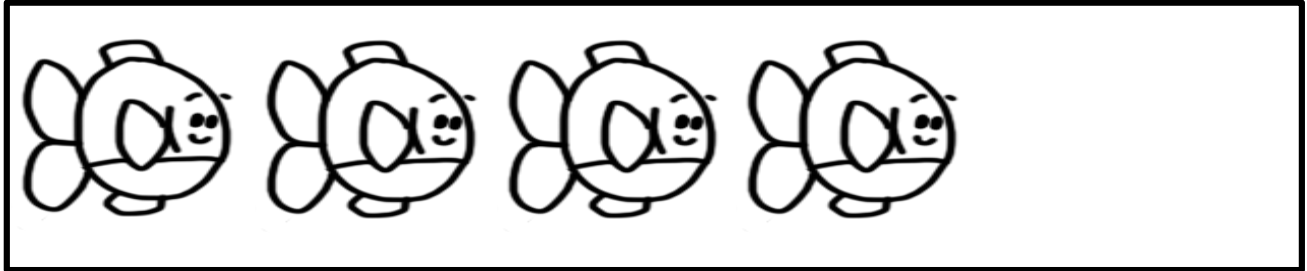


I can count

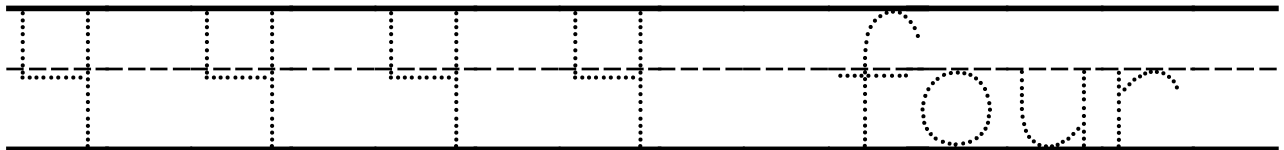
4

four

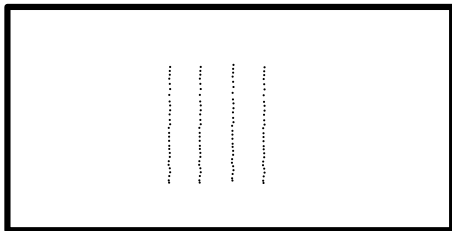
Color



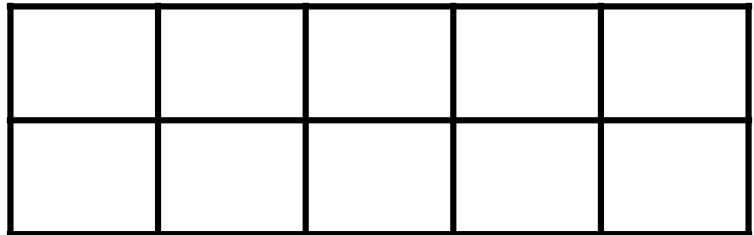
Trace



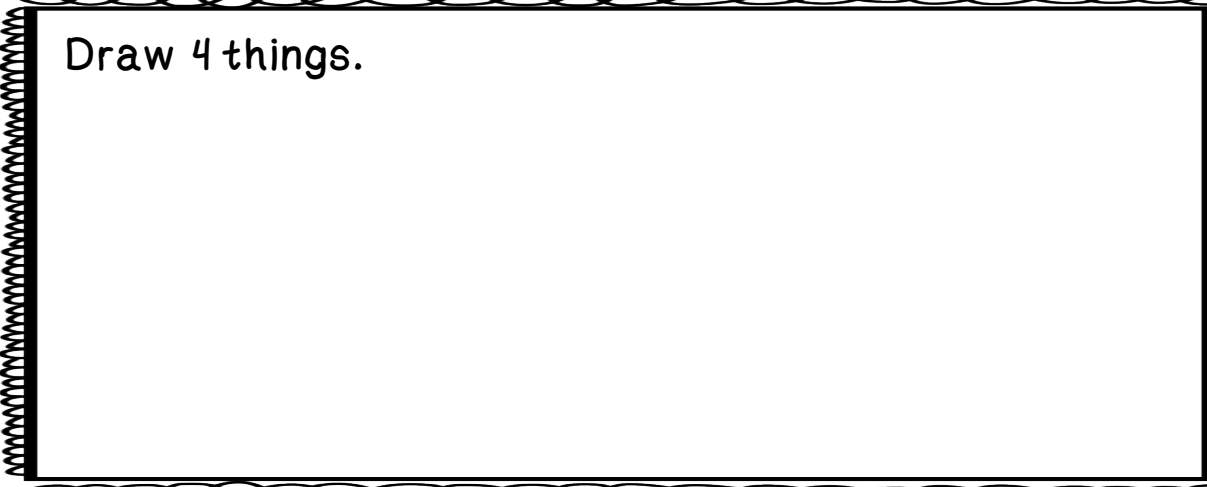
Trace 4 tallies.



Make 4 dots.

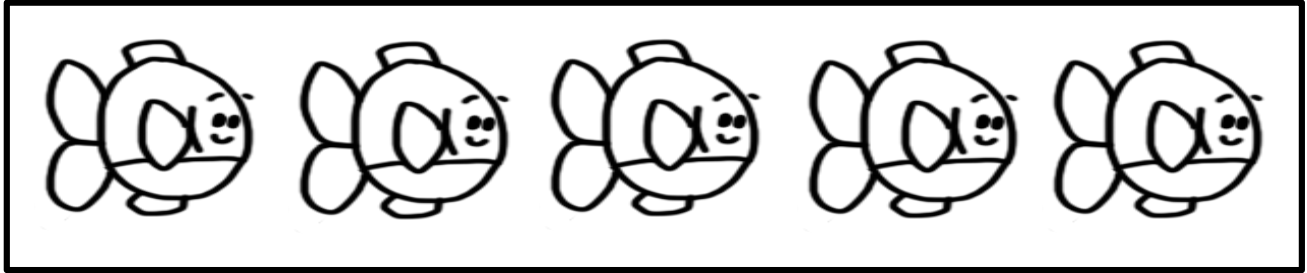


Draw 4 things.

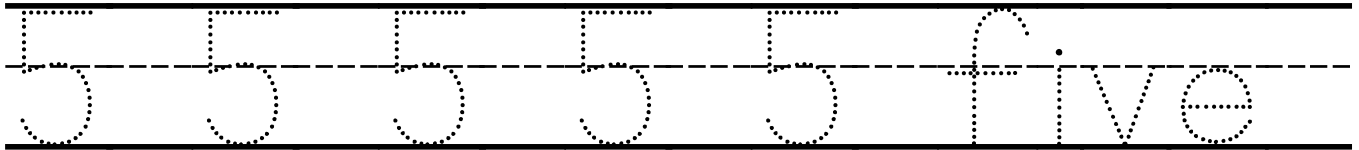


I can count
5 five

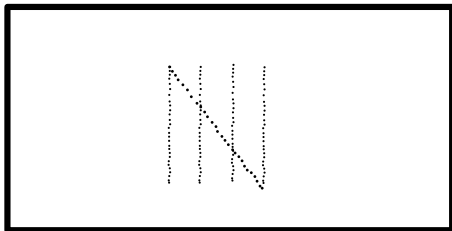
Color



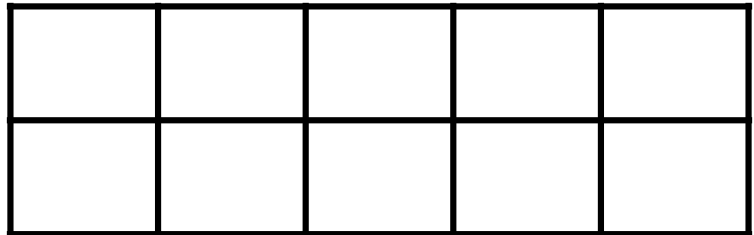
Trace



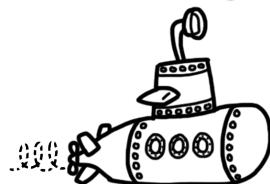
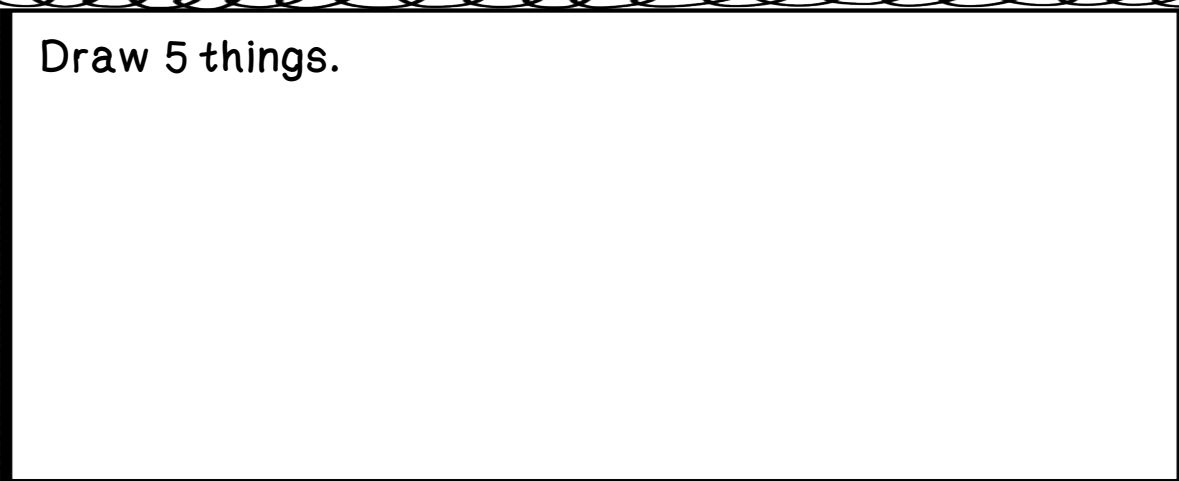
Trace 5 tallies.



Make 5 dots.

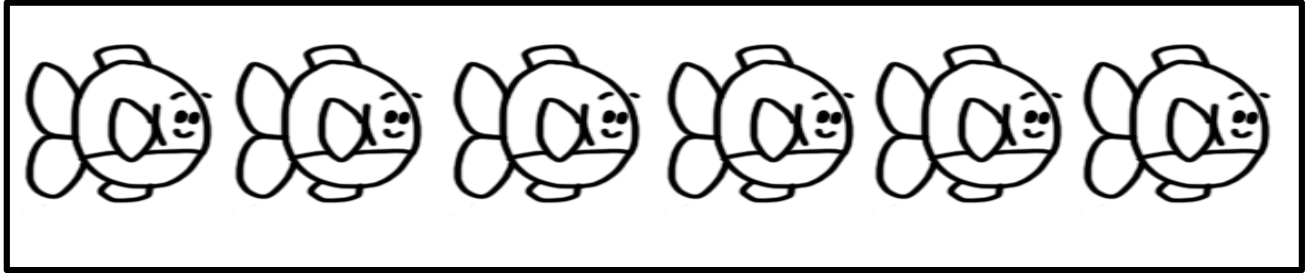


Draw 5 things.

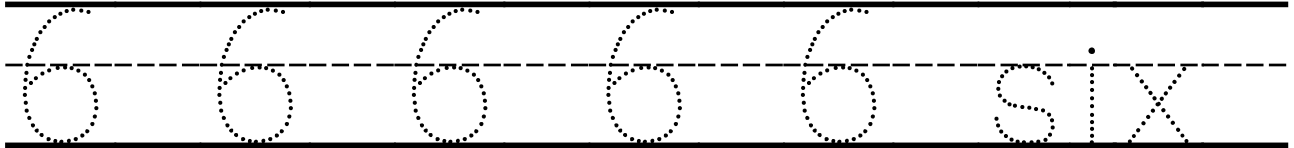


I can count
6
six

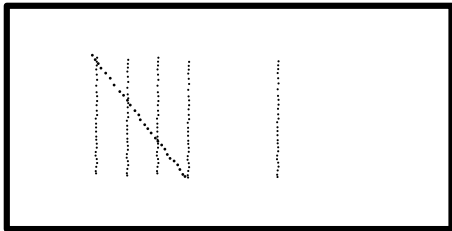
Color



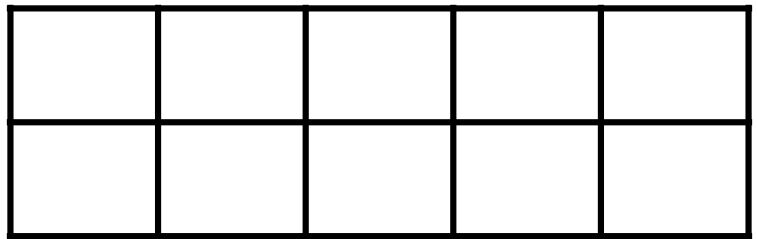
Trace



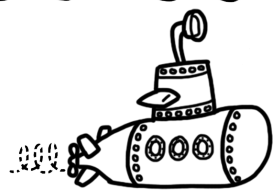
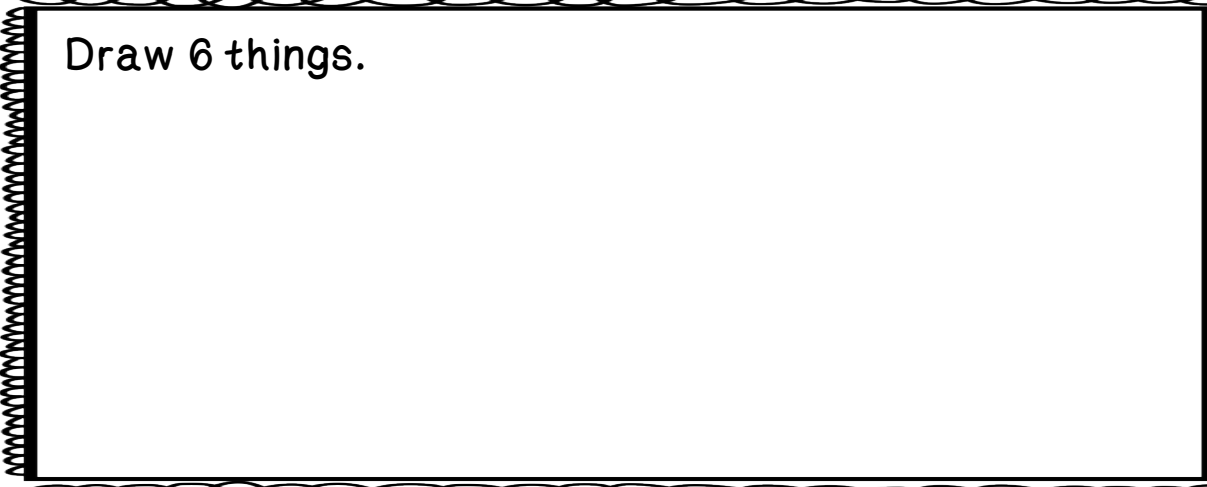
Trace 6 tallies.



Make 6 dots.

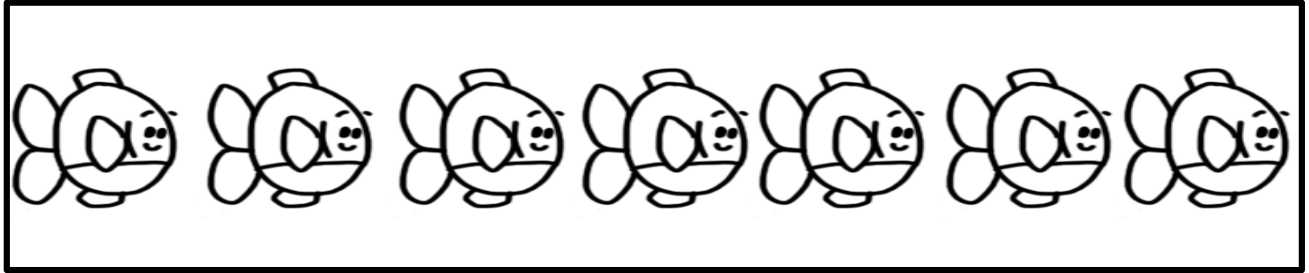


Draw 6 things.

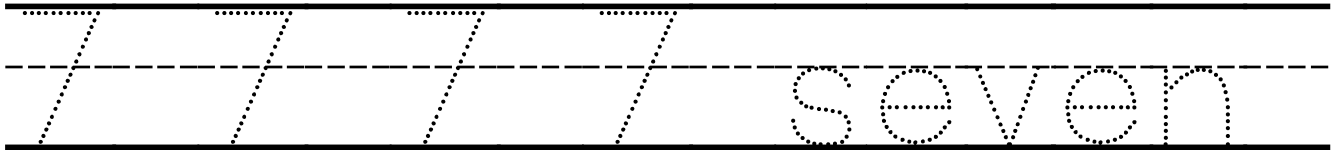


I can count
7
seven

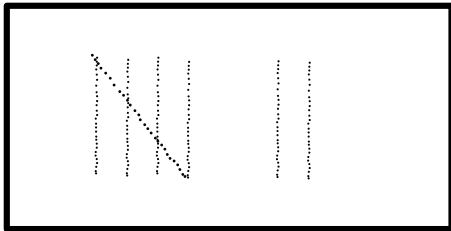
Color



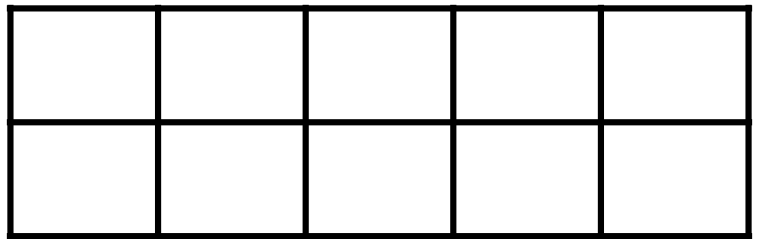
Trace



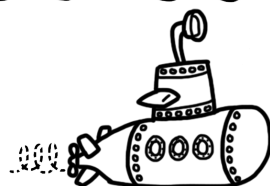
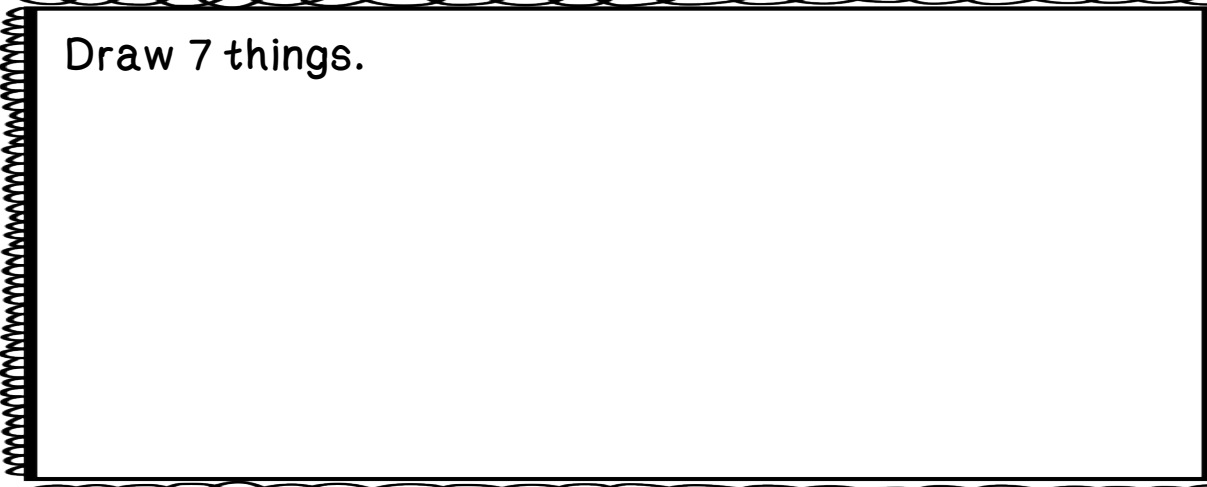
Trace 7 tallies.



Make 7 dots.

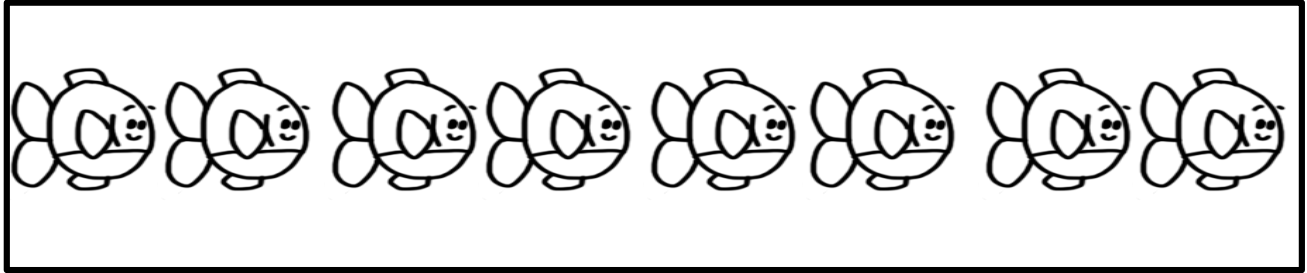


Draw 7 things.

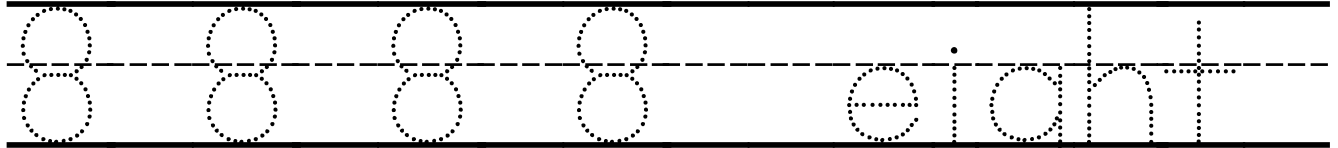


I can count 8 eight

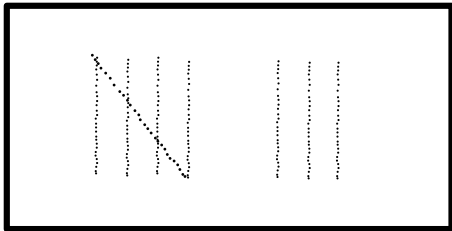
Color



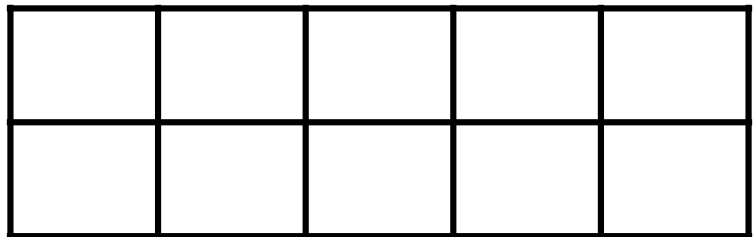
Trace



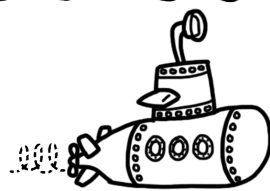
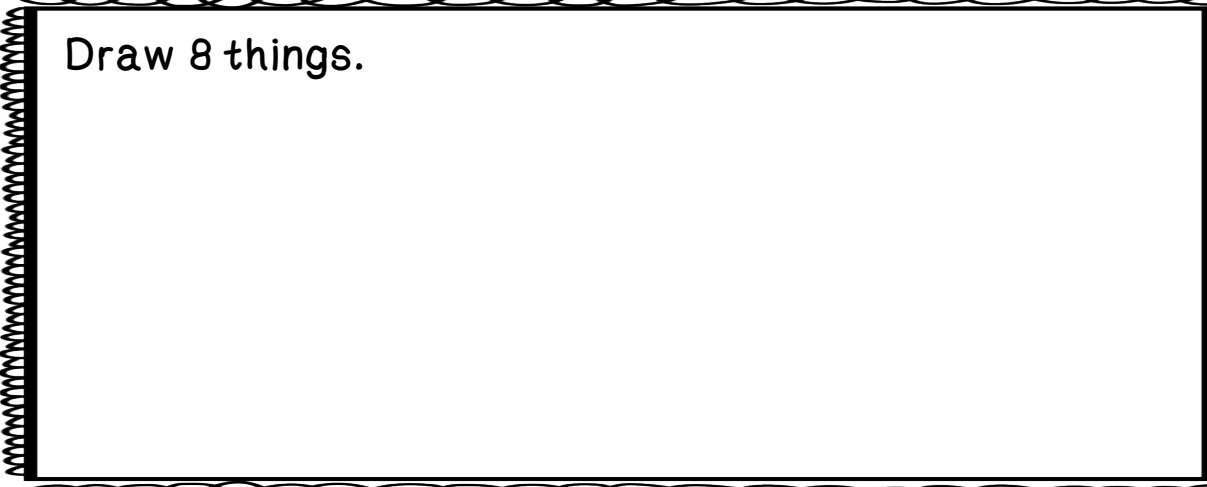
Trace 8 tallies.



Make 8 dots.

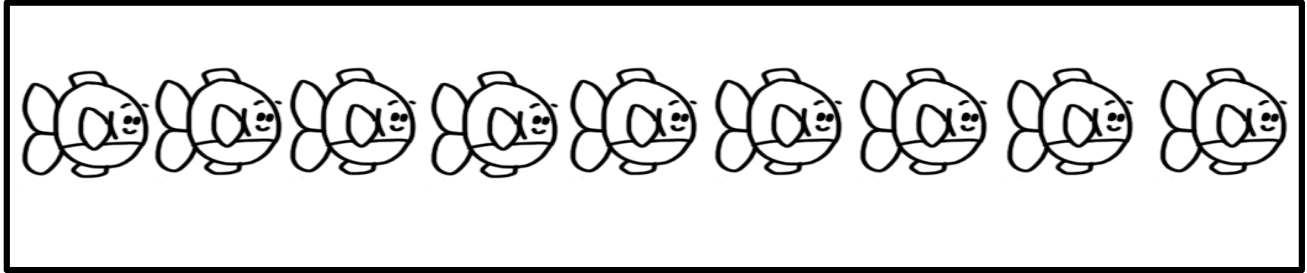


Draw 8 things.

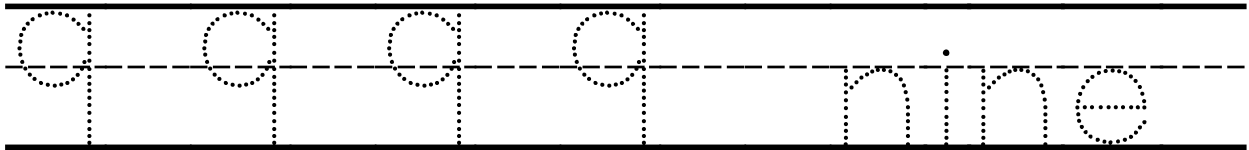


I can count
9 nine

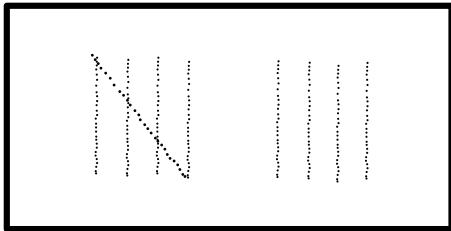
Color



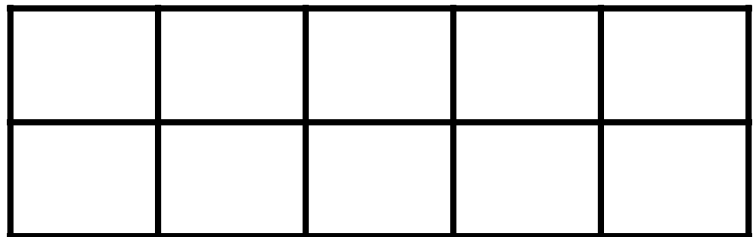
Trace



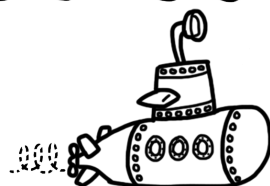
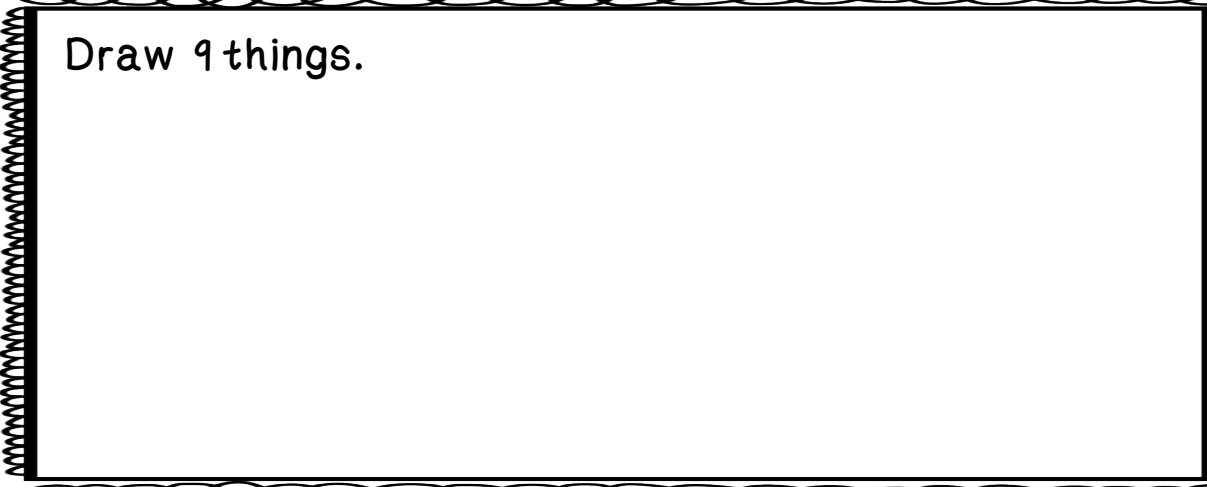
Trace 9 tallies.



Make 9 dots.

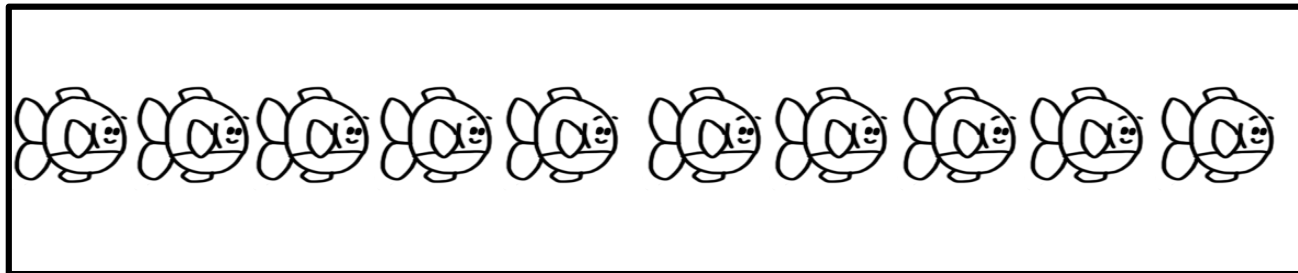


Draw 9 things.

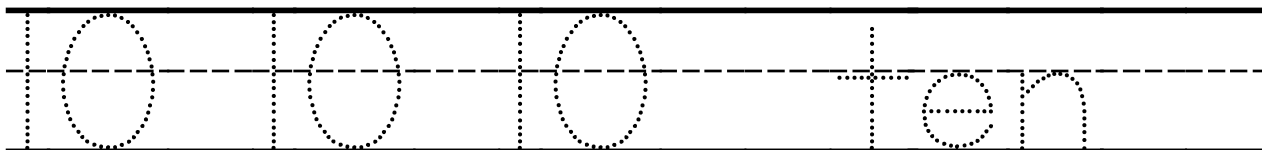


I can count
10 ten

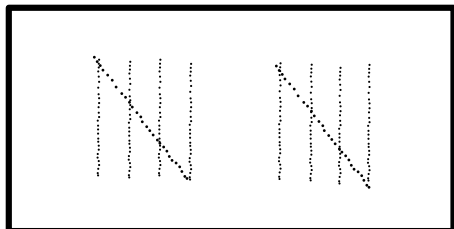
Color



Trace



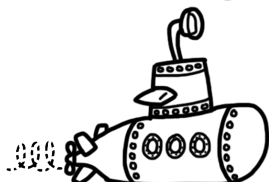
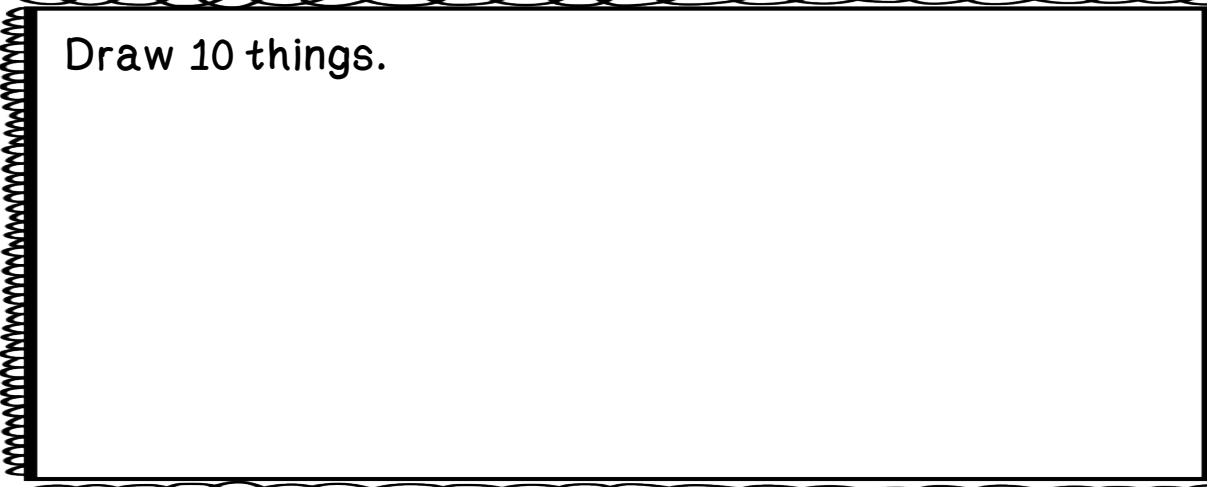
Trace 10 tallies.



Make 10 dots.



Draw 10 things.



Math Problem #1

Draw 10 balls. 4 of the balls are big and _____
balls are small. How many balls are small?

Math Problem #2

John is eight. But, he only has three candles on his cake.
How many more candles does John need to put on his cake?

Math Problem #3

Bob has 3 fishbowls. Each fishbowl has 2 fish in it.
How many fish does Bob have?

Math Problem #4

There are 4 snakes. Each snake has 3 spots on its body. How many spots are there all together?

Math Problem #5

Draw 2 circles on the five frame below.
How many more circles do you need to fill the five frame?

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

Math Problem #6

Draw 2 trees. Make one tree have more more apples than the other tree. Write how many apples are in each tree.

Math Problem #7

Sara is five. What number is one more?
What number is one less?

Math Problem #8

Tom had 7 flowers in his yard. Three of his flowers were yellow and the rest were purple. How many flowers are purple?

Math Problem #9

Jack had 6 pieces of cake. He now has 2 left.
How many pieces of cake were eaten?

Math Problem #10

Write the number 1-10. How many numbers
come between 2 and 7?

Math Problem #11

There are 2 cats. Draw 6 whiskers on 1 cat's face. Make the same amount of whiskers on the other cat. How many whiskers are there?

Math Problem #12

Kelly has five books. She gave one to her friend.
How many books does Kelly have?

Math Problem #13

Draw 2 trees. Make one tree have more more apples than the other tree. Write how many apples are in each tree.

Math Problem #14

Roll 2 dice. Build a tower to match each number on the dice.
Put the towers in order from least to greatest.

Math Problem #15

I have 5 flowers. Some are red, some are yellow.
What could the flowers look like?

Math Problem #16

I put 10 circles on my ten frame.

Some are orange and some are blue.

Use color crayons to show what the ten frame could look like.

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

What is another way the ten frame could look?

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

Math Problem #17

Roll the dice. Build a tower of blocks to match the number on the dice.
Draw and number the tower.

Math Problem #18

I visited a farm and saw 8 legs.

Draw the animals they could belong to.

Math Problem #19

Judy has a triangle and Shawn has a square.
Draw the both shapes and circle which has more sides.

Math Problem #20

Five cows were playing in the grass. Two were tired and took a nap.
How many cows are still awake?

Math Problem #21

Stephanie saw ten flowers in the garden. She picked four to give to her dad. How many flowers are left in the garden?

Math Problem #22

Draw a repeating pattern using a circle and square.

Math Problem #23

Draw sand next to a pond. Draw four people in the sand. Draw three ducks in the pond.

Math Problem #24

Make 3 houses. Draw 2 windows on each house.

How many windows are on the houses all together?

Math Problem #25

Tom got four balloons for his birthday. Two of the balloons popped! How many balloons does Tom have left?

Math Problem #26

Draw a ladybug with a line down her back. Make an equal number of dots on each side.

Math Problem #27

Create a picture using only circles and squares.

Math Problem #28

Thomas has 6 balls. Lily has 4 less balls. Draw a picture to show the amount of balls that Thomas and Lily have.

Math Problem #29

Bob has 6 balloons, Will has 2 balloons, and Jill has 1 balloon. Draw each and circle the person with the least amount of balloons. Draw a square around the person with the most balloons.

Math Problem #30

I saw 9 birds. Four birds flew away.
How many birds are left?

Math Problem Bonus

Write your own math story. Then solve the math problem.

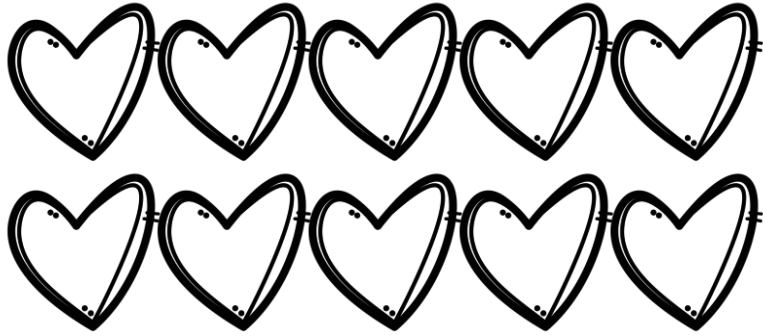
Final Assessment and Instructions

Parents- Please reserve the final page in this packet. Your child's teacher will give you directions regarding this page in the final week of May.

Please remember to check the activities your child has experienced and save this completed packet to return to your child's teacher.



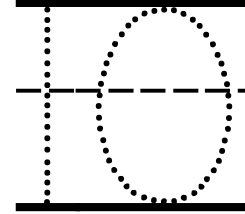
count

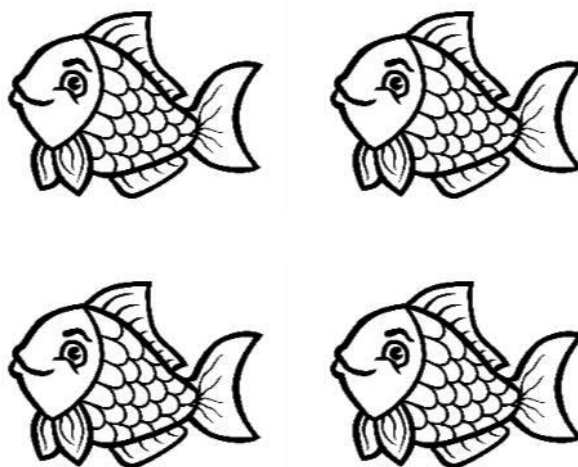
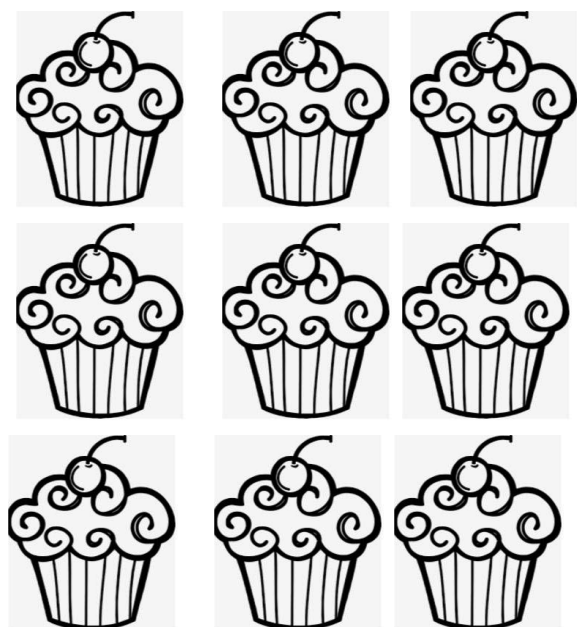
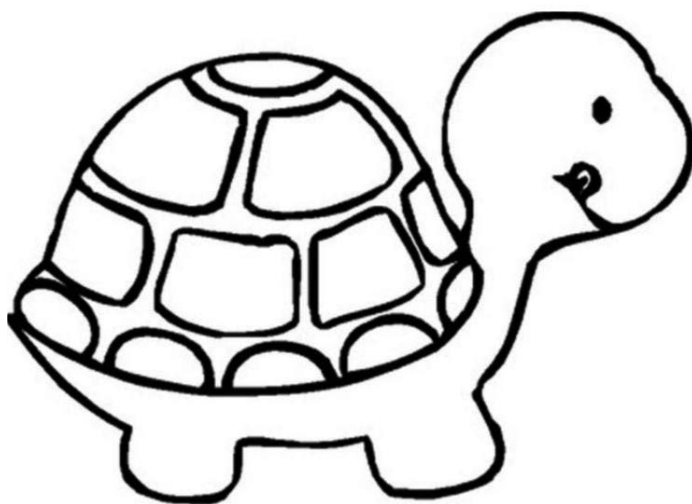
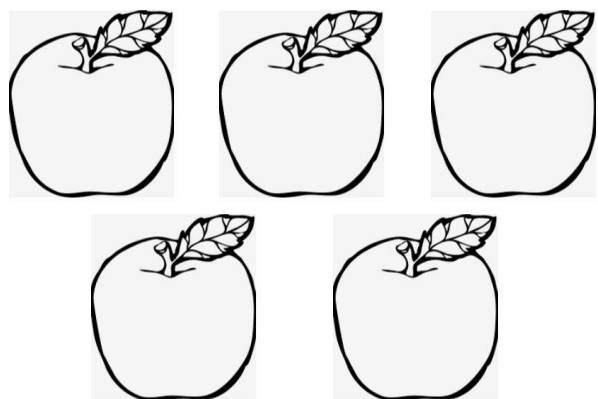
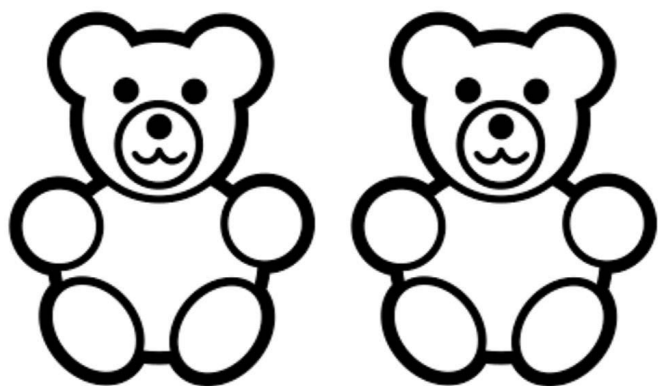


build

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| | | | | |
| | | | | |

trace





This packet is for you to cut out and use with the Math Activities.

0

1

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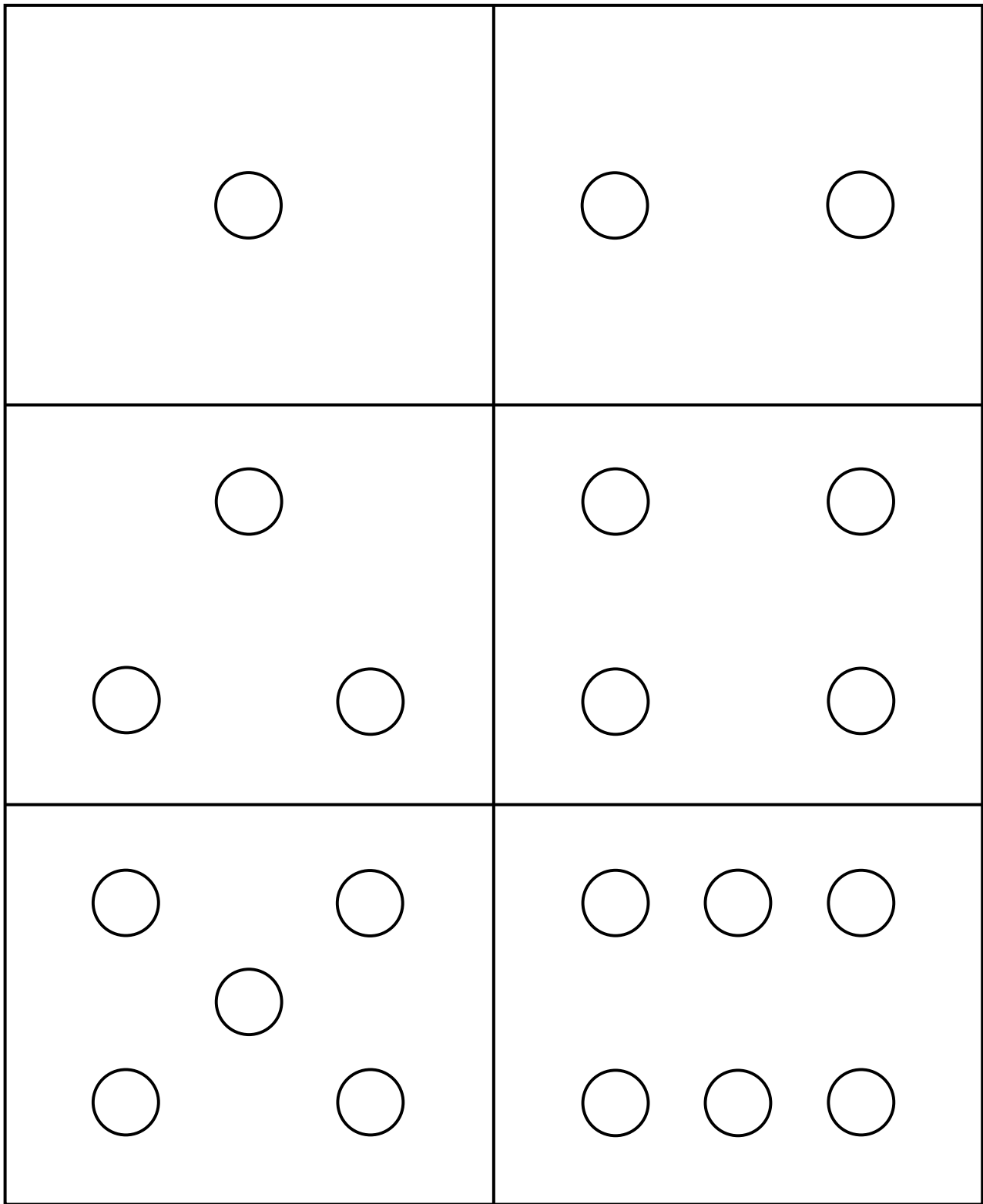
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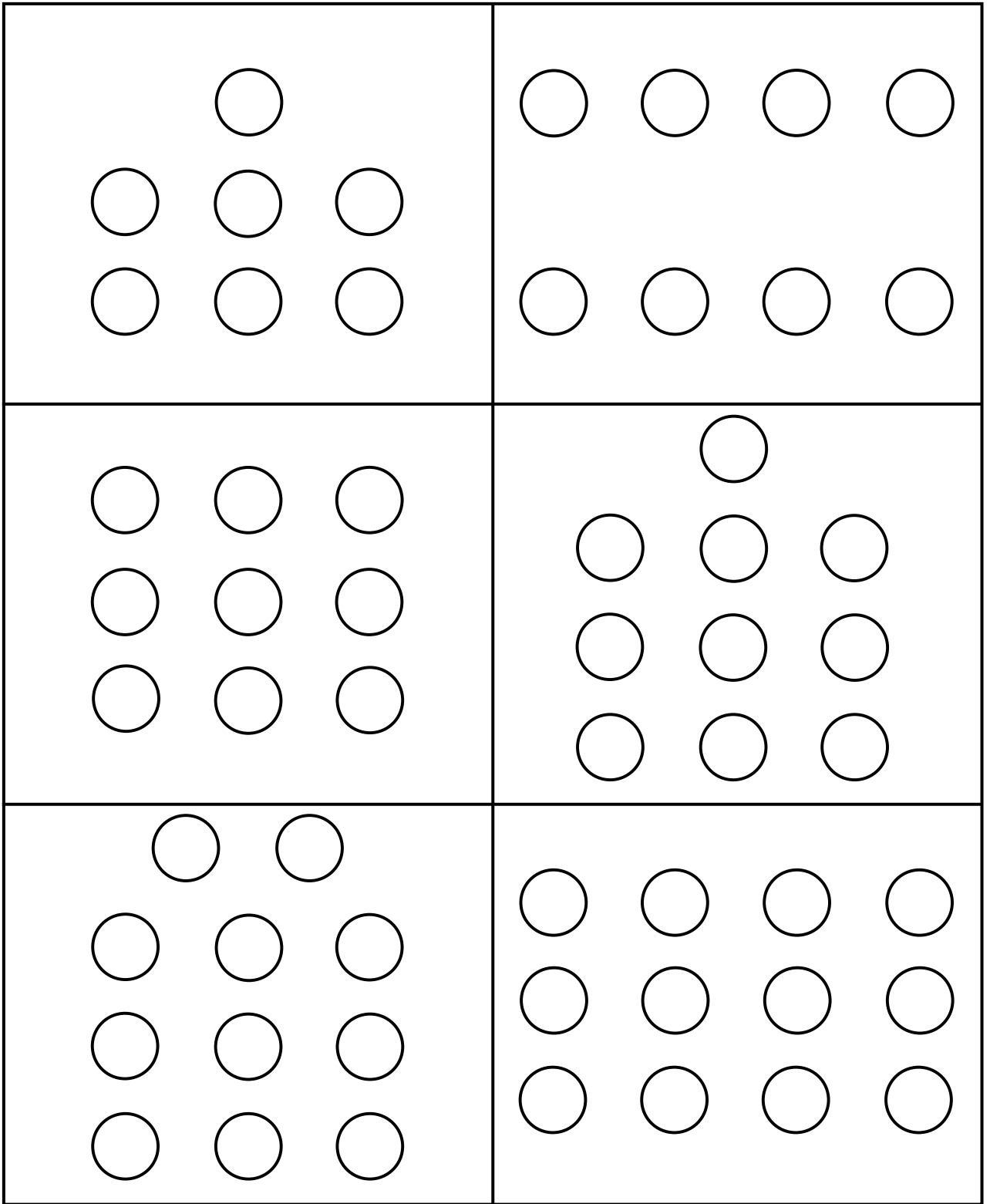
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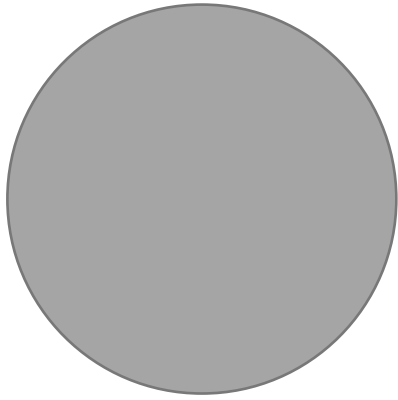
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10





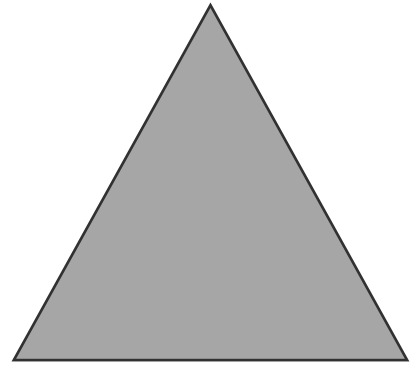
SHAPES



circle



square



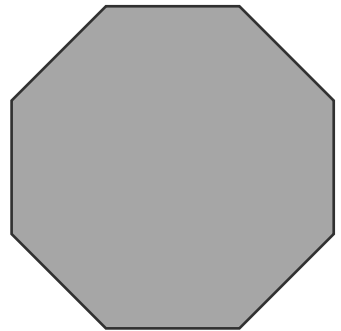
triangle



rectangle

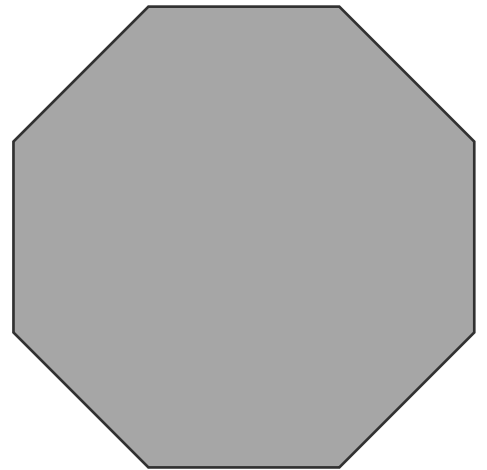
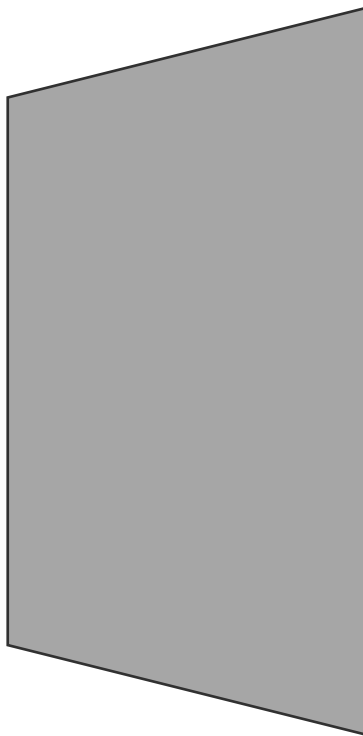
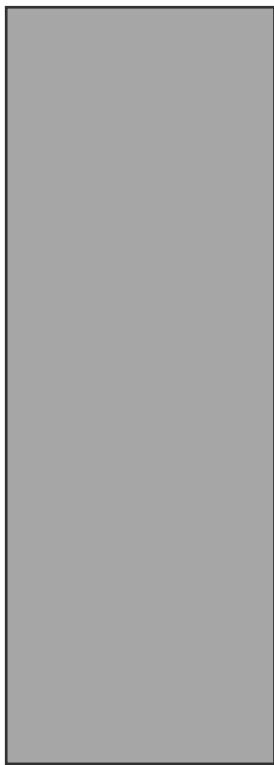
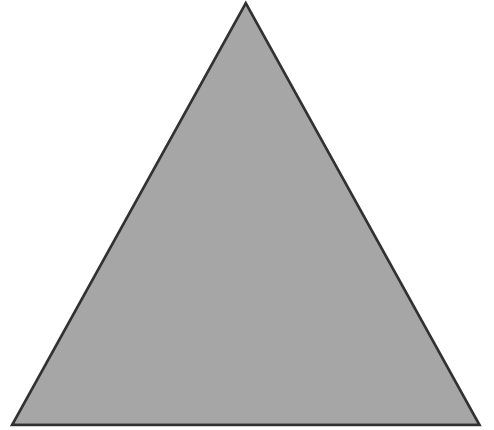
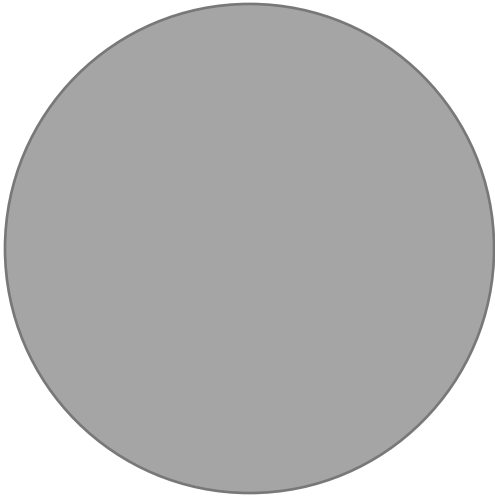


trapezoid

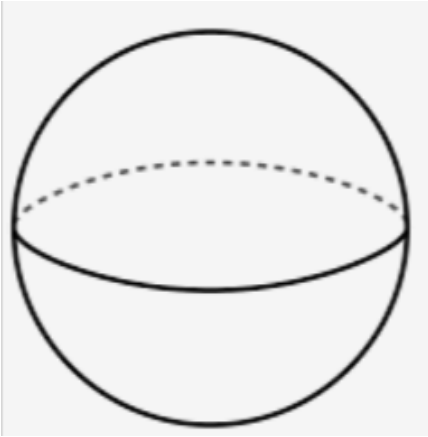


octagon

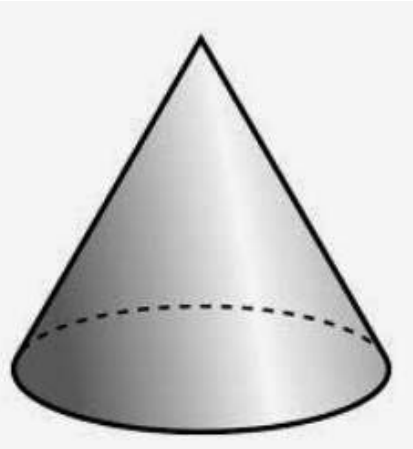
Shapes to cut out



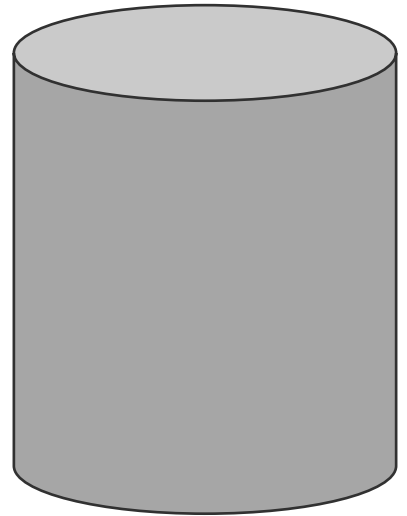
3 Dimensional Shapes



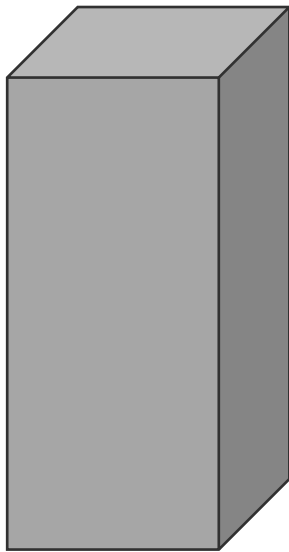
sphere



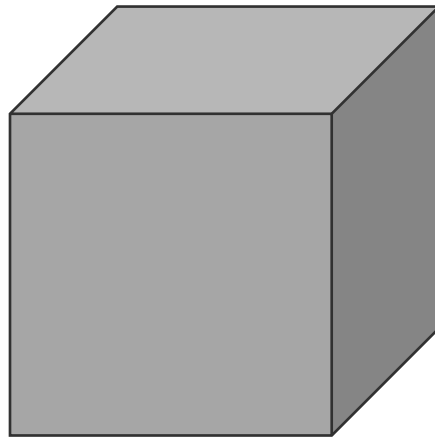
cone



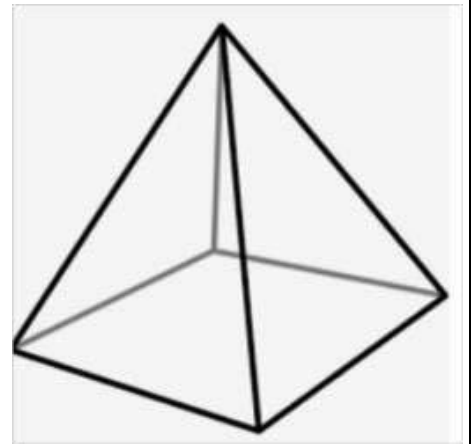
cylinder



**rectangular
prism**



cube



pyramid