

Hemet Unified School District
Summer
Grade: K Week: 1

Mathematics

Please review the EMBARC Math News parent newsletter for information and examples on completing these lessons with your child.

Content Focus: Module 2 Two-Dimensional and Three-Dimensional Shapes

Lesson 1: Find and describe solid shapes using informal language without naming.

- _____ Complete Lesson 6 Problem Set
- _____ Complete Lesson 6 Homework
- _____ Complete Fluency Template –Counting to 10

Lesson 2: Explain decisions about classification of solid shapes into categories. Name the solid shapes.

- _____ Complete Lesson 7 Problem Set
- _____ Complete Lesson 7 Homework

Lesson 3: Describe and communicate positions of all solid shapes using the words above, below, beside, in front of, next to, and behind.

- _____ Complete Lesson 8 Problem Set
- _____ Complete Lesson 8 Homework

Lesson 4: Identify and sort shapes as two-dimensional or three-dimensional and recognize two-dimensional and three-dimensional shapes in different orientations and sizes..

- _____ Complete Lesson 9 Problem Set
- _____ Complete Lesson 9 Homework

Lesson 5: Identify and sort shapes as two-dimensional or three-dimensional and recognize two-dimensional and three-dimensional shapes in different orientations and sizes.

- _____ Complete Lesson 10 Problem Set- Kitchen Shapes Activity

Website Resources and Activities:

Shapes Games:

<https://pbskids.org/games/shapes>

Embarc Math Support for Module 2: <https://embarc.online/course/view.php?id=5>

Introduction to Kindergarten Math-Khan Academy

<https://www.khanacademy.org/math/cc-kindergarten-math>



MATH NEWS



LAFAYETTE
PARISH SCHOOL SYSTEM

Kindergarten, Module 2, Topic B

Fall 2014

Kindergarten Math

Module 2: Two-Dimensional and Three-Dimensional Shapes

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 2 of Eureka Math (Engage New York) covers Two-Dimensional and Three-Dimensional Shapes. This newsletter will discuss Module 2, Topic B.

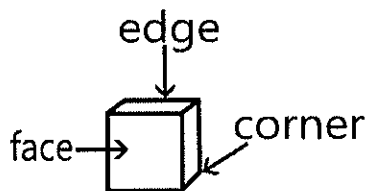
Topic B. Three-Dimensional Solid Shapes

Words to know

- Solid Shape
- Edge
- Face
- Corner
- Cube
- Cylinder
- Cone
- Sphere
- Above
- Below
- Beside
- In front of
- Next to
- Behind

Objective

Students will examine how three-dimensional shapes and objects are similar to or different from one another with respect to orientation and relative positions to objects.



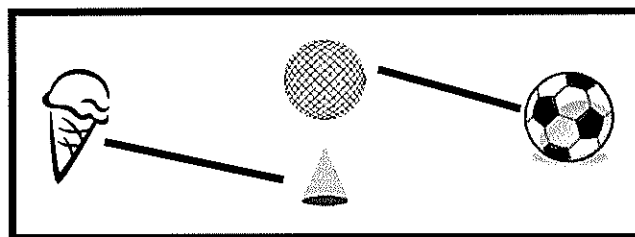
OBJECTIVE OF TOPIC B

- 1 Find and describe solid shapes using informal language without naming.
- 2 Explain decisions about classification of solid shapes into categories. Name the solid shapes.
- 3 Describe and communicate positions of all solid shapes using the words *above*, *below*, *beside*, *in front of*, *next to*, and *behind*.

Focus Area – Topic B

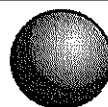
Three-Dimensional Solid Shapes

In Topic B, students will look at various solid shapes and describe the attributes of the shape. In Lesson 6, students will look at objects and determine which shape looks like it. For example, an ice cream cone looks like a cone.

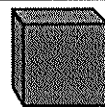


They will discuss things such as the edges of the shapes, corners and points, that a face is a flat surface, or that some shapes just have curves and no edges.

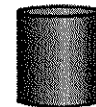
In Lesson 7, students will learn the names of the three-dimensional shapes described in Lesson 6.



sphere



cube



cylinder

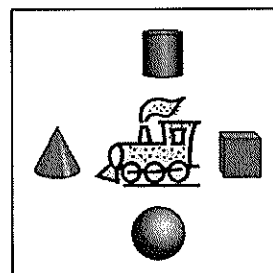


cone

They will look at the shapes and sort them into groups such as shapes that have corners, shapes that do not have corners or shapes that have faces.

In Lesson 8, students will have additional practice with the position words *above*, *below*, *beside*, *behind*, *in front of*, and *next to*.

- Place a sphere below the train.
- Place a cube behind the train.
- Place a cone in front of the train.
- Place a cylinder above the train.





MATH NEWS



LAFAYETTE
PARISH SCHOOL SYSTEM

Kindergarten, Module 2, Topic C

Fall 2014

Kindergarten Math

Module 2: Two-Dimensional and Three-Dimensional Shapes

Math Parent Letter

This document is created to give parents and students a better understanding of the math concepts found in Eureka Math (© 2013 Common Core, Inc.) that is also posted as the Engage New York material which is taught in the classroom. Module 2 of Eureka Math (Engage New York) covers Two-Dimensional and Three-Dimensional Shapes. This newsletter will discuss Module 2, Topic C.

Topic C. Two-Dimensional and Three-Dimensional Shapes

Words to know

- Two-Dimensional Shapes
- Flat Shapes
- Circle
- Rectangle
- Square
- Triangle
- Hexagon
- Three-Dimensional Shapes
- Solid Shapes
- Sphere
- Cylinder
- Cube
- Cone

Objective

Students will determine the difference between two-dimensional and three-dimensional shapes and objects and sort them into groups.



OBJECTIVE OF TOPIC C

- 1 Identify and sort shapes as two-dimensional or three-dimensional and recognize two-dimensional and three-dimensional shapes in different orientations and sizes.

Focus Area – Topic C

Two-Dimensional and Three-Dimensional Shapes

Flat Shapes



circle



rectangle



square

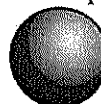


triangle

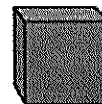


hexagon

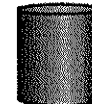
Solid Shapes



sphere



cube



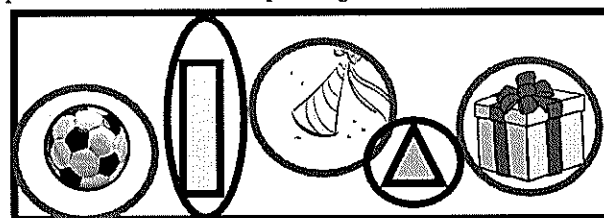
cylinder



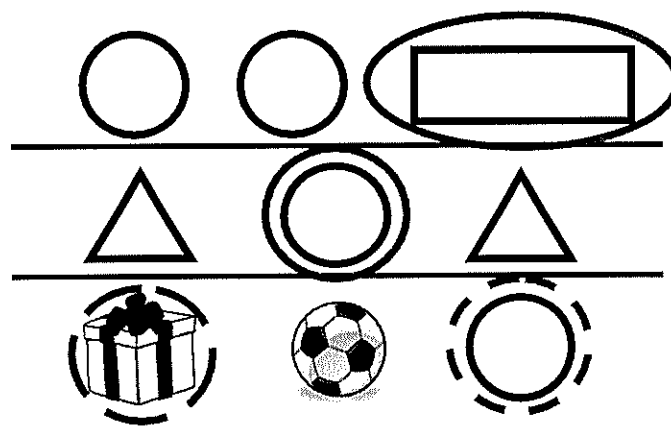
cone

In Topic C, students will identify various solid shapes and various flat shapes.

Circle the pictures of the flat shapes in red. Circle the pictures of the solid shapes in green.



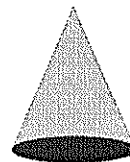
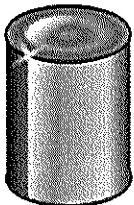
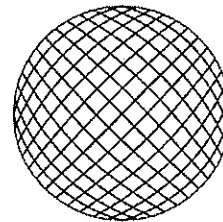
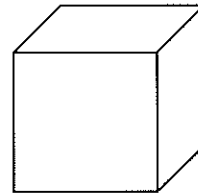
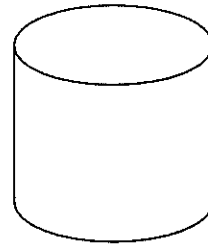
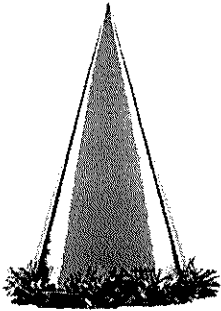
In each row, circle the one that does not belong.



Name _____

Date _____

Match these objects and solids by drawing a line with your ruler from the object to the solid.

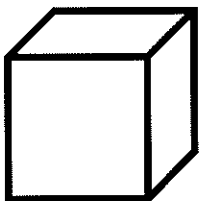
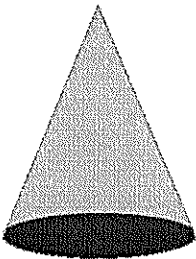
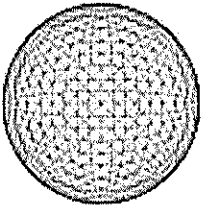
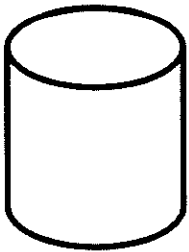


On the back of the paper, draw solid shapes that you see in the classroom.

Name _____

Date _____

Find things in your house or in a magazine that look like these solids. Draw the solids or cut out and paste pictures from a magazine.



1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	----

1	2	3	4	5	6	7	8	9	10
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number path

Name _____

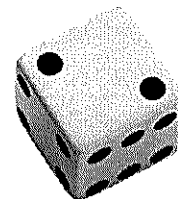
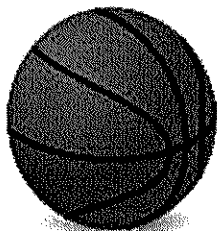
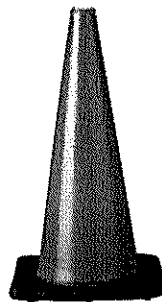
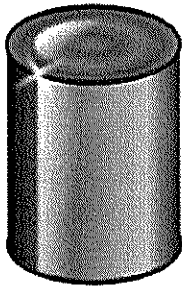
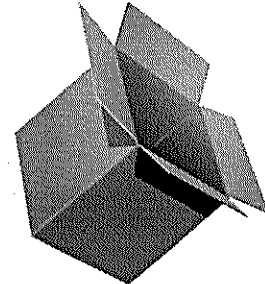
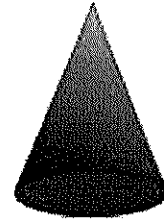
Date _____

Circle the cylinders with red.

Circle the cubes with yellow.

Circle the cones with green.

Circle the spheres with blue.



Name _____

Date _____

Cut one set of solid shapes. Sort the 4 solid shapes. Paste onto the chart.

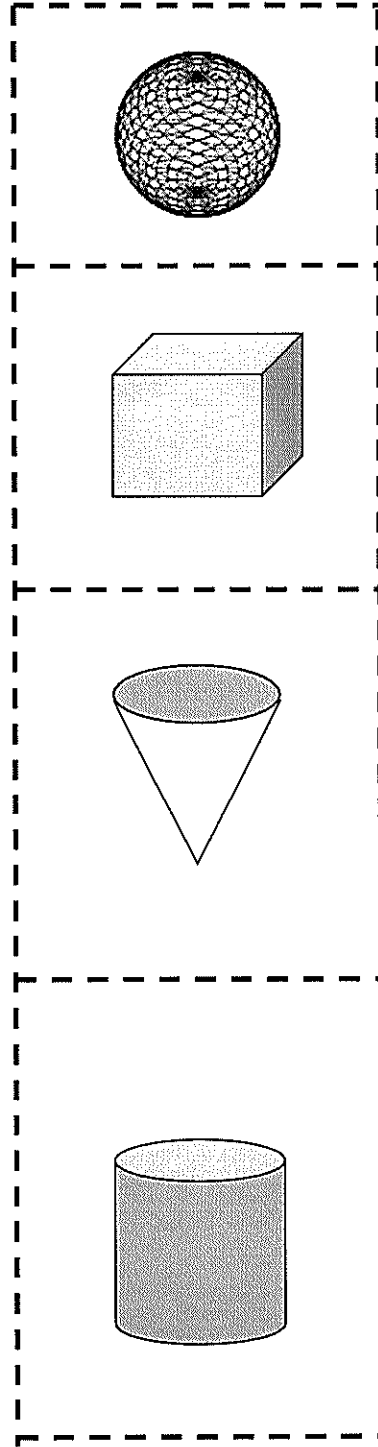
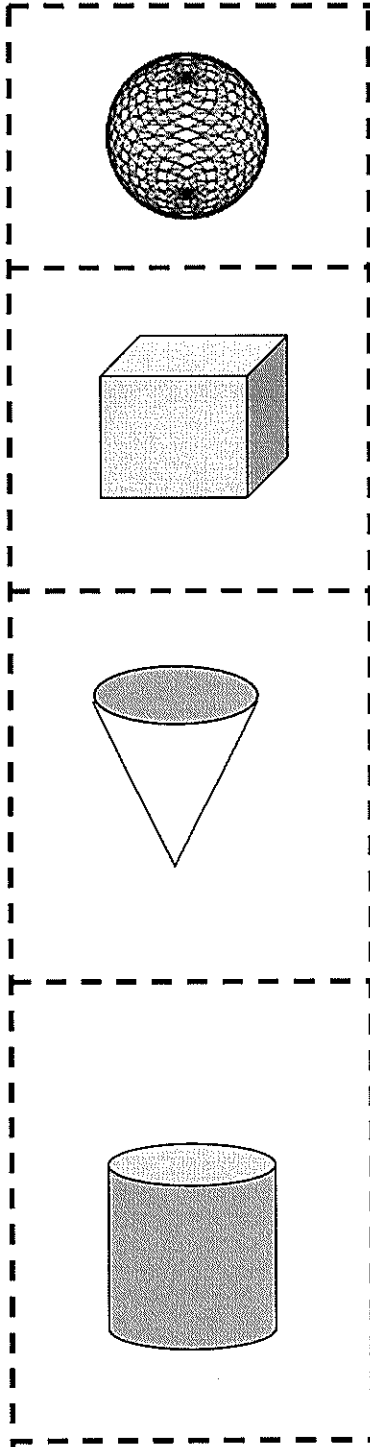
These have corners.

These do not have corners.

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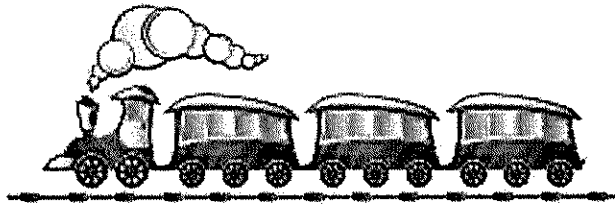
Cut the other set of solid shapes, and make a rule for how you sorted them. Paste onto the chart.

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Name _____

Date _____



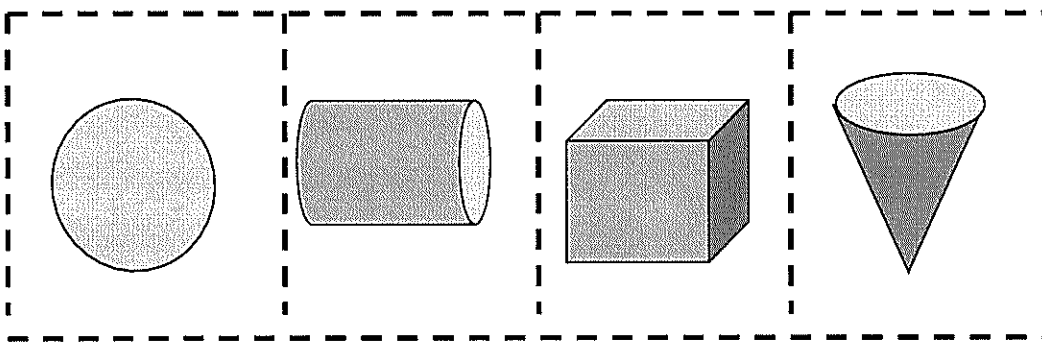
Directions: Read to students.

Paste the sphere **above** the train.

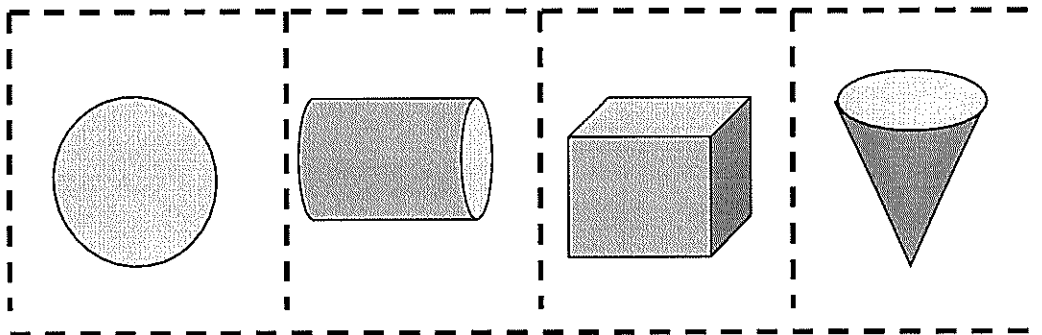
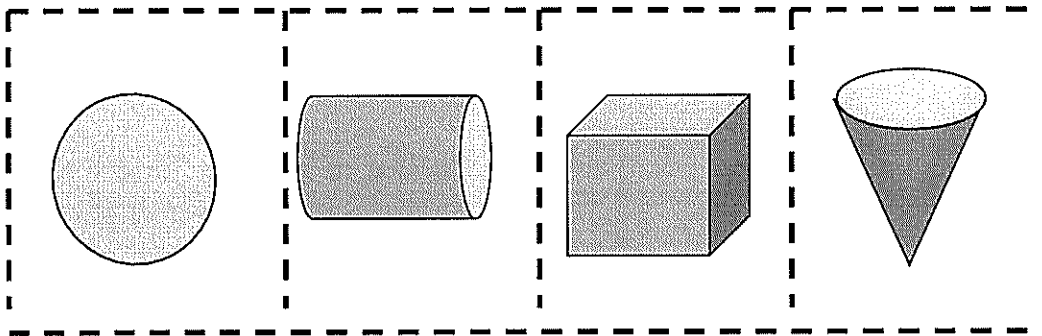
Paste the cube **behind** the train.

Paste the cylinder **in front of** the train.

Paste the cone **below** the train.



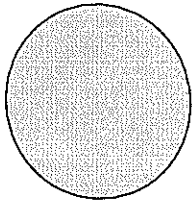
Provide one strip for every student.



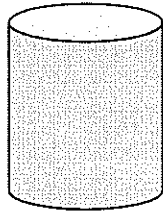
Name _____

Date _____

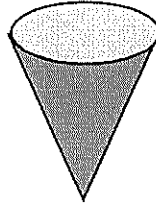
Tell someone at home the names of each solid shape.



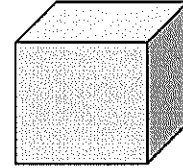
Sphere



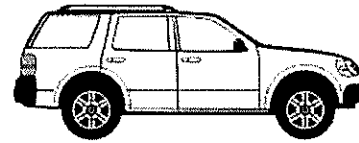
Cylinder



Cone



Cube



Color the car **beside** the stop sign green.

Circle the **next** car with blue.

Color the car **behind** the circled car red.

Draw a road **below** the cars.

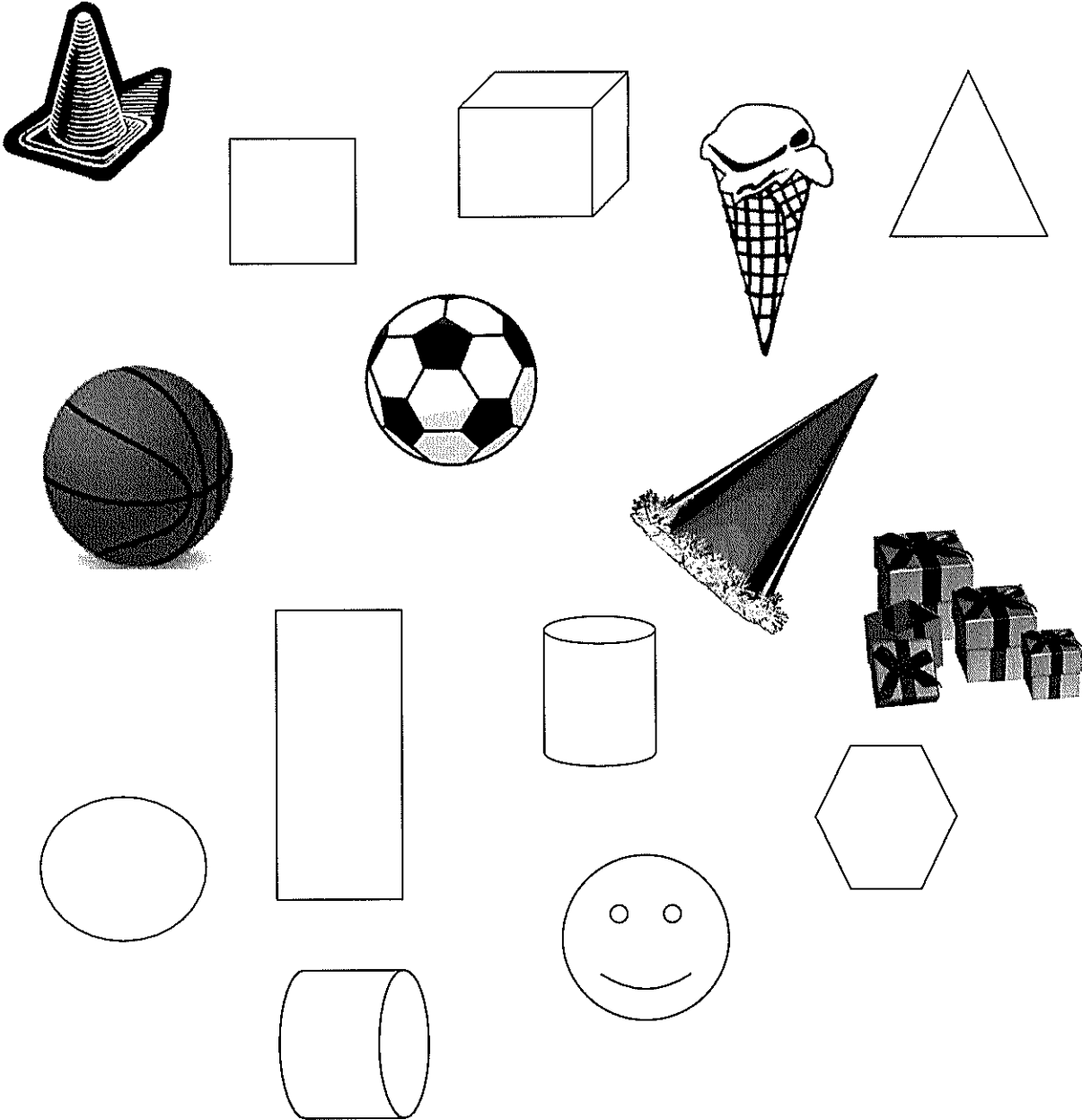
Draw a policeman **in front of** the cars.

Draw a sun **above** the cars.

Name _____

Date _____

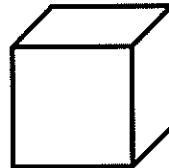
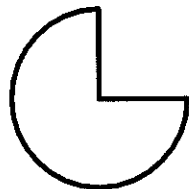
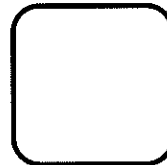
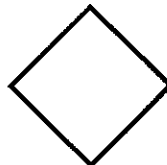
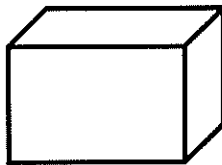
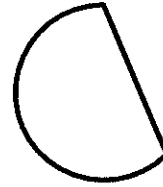
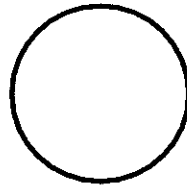
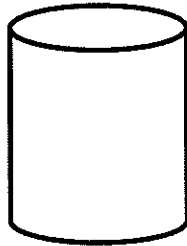
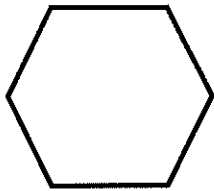
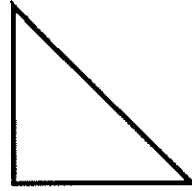
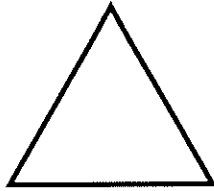
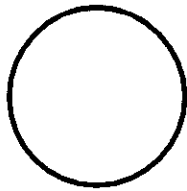
Circle the pictures of the flat shapes with red. Circle the pictures of the solid shapes with green.



Name _____

Date _____

In each row, circle the one that doesn't belong. Explain your choice to a grown-up.



Name _____

Date _____

Shape Up Your Kitchen!

Search your kitchen to see what shapes and solids you can find. Make a kitchen-shaped collage by drawing the shapes that you see and by tracing the faces of the solids that you find. Color your collage.