## **MATH SKILL 3: GEOMETRY**

### 41.1.Vocabulary

Ex.	1.	Match	the	words	with	their	Russian	equivalents.
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1. flat	а. форма
2. ball	b. многоугольник
3. polygon	с. двумерный
4. solid	d. трехмерный
5. similarity	е. круг
6. shape	f. сходство
7. two-dimensional	g. твердый
8. difference	h. квадрат
9. geometry	і. плоский
10. square	ј. геометрия
11. circle	k. мяч
12. three-dimensional	1. куб
13. cube	т. разница

#### *Ex.* 2. *Complete the sentences with the given words.*

polygon, three-dimensional, difference, cube, two-dimensional, solid, flat (2), Geometry, shape, ball, circle, similarity, square (3)

The \_\_\_\_\_(1) rolled down the hill and into the pond.

The \_\_\_\_\_(2) has a radius of 5 inches.

The \_\_\_\_\_(3) has six equal sides and twelve edges.

The \_\_\_\_\_(4) between a \_\_\_\_\_(5) and triangle is the number of sides.

Lay the paper \_\_\_\_\_(6) on the table before you start cutting. \_\_\_\_\_(7) is the study of shapes and their properties.

A \_\_\_\_\_(8) is a closed figure with straight sides.

The \_\_\_\_\_(9) of the pyramid is unique and interesting.

The \_\_\_\_\_(10) between a \_\_\_\_\_(11) and rectangle is evident.

The	(12) block of wood was heavy to lift.	
The	(13) garden has four equal sides.	
The	_(14) model looks realistic.	
The	_(15) drawing appears	_(16) on paper.

# 41.2. Reading

## Ex. 1. Read the text.

Geometry is an exciting subject for young children, even in kindergarten. At this age, kids are naturally curious and love to explore. Teaching geometry to them can be both fun and educational. In kindergarten, geometry helps children understand shapes and spaces. It's the first step toward more complex math.

One way to teach geometry is through play. For example, you can use blocks. Children can build towers and other structures with different shapes like squares, rectangles, and triangles. This hands-on activity helps them see how shapes fit together.

Another method is using everyday objects. You can ask children to find objects around the classroom that match specific shapes. For instance, a book might be a rectangle, and a clock might be a circle. This helps them connect geometry to the real world.

Storytelling is also a great tool. You can tell stories about shapes. For example, you can create a story about a triangle that goes on an adventure with its friends, a square and a circle. These stories capture children's imagination and make learning about shapes more memorable.

Art activities can also be useful. Children can draw and color different shapes. You can ask them to create pictures using only certain shapes. They might make a house with a square for the base and a triangle for the roof. This makes learning geometry creative and enjoyable.

Incorporating songs and rhymes about shapes can make the learning process easier. Singing a simple song about circles, squares, and triangles can help kids remember the names and properties of these shapes.

Teaching geometry in kindergarten is all about making learning fun. By using various activities and tools, teachers can help children understand and enjoy

geometry from an early age. Through play, exploration, and creativity, young learners can build a solid foundation for future math skills.

## Ex. 2. Answer the questions.

1. How can teaching geometry to kindergarten children be both fun and educational?

2. What are some hands-on activities that can help children understand how shapes fit together?

3. How can everyday objects be used to teach children about shapes in the classroom?

4. Why is storytelling a great tool for teaching geometry to young children?

5. How can art activities help children learn about different shapes?

6. In what way can songs and rhymes about shapes make the learning process easier for kids?

7. What is the main goal of teaching geometry to kindergarten children according to the text?

## 41.3. Communication

Ex. 1. Make sentences using the following words:

- 1. children/learning/shapes
- 2. square/classroom/Can
- 3. teacher/drawing/circle
- 4. count/sides/triangle
- 5. rectangles/wall/Are
- 6. kids/colorful/blocks
- 7. shape/star/paper
- 8. arranging/big/small
- 9. corners/hexagon/have
- 10.game/geometric/puzzles