

# IXL Summer Math Exploration

Grades K–2



## STEP 1

Practice each of the skills below for the grade you will enter this fall. Keep working until you earn a SmartScore of at least 80.

SKILL NAME	KINDERGARTEN	1ST GRADE	2ND GRADE
Select two-dimensional shapes	<a href="#">V.5</a>	<a href="#">V.2</a>	<a href="#">T.2</a>
Select three-dimensional shapes	<a href="#">W.7</a>	<a href="#">W.4</a>	<a href="#">U.2</a>
Shapes of everyday objects I	<a href="#">W.9</a>	<a href="#">W.9</a>	<a href="#">U.7</a>
Shapes of everyday objects II	<a href="#">W.10</a>	<a href="#">W.10</a>	<a href="#">U.8</a>

## STEP 2

Go outside! Look around your house, the grocery store, or a local park with an adult. What three-dimensional shapes do you see? Find the shapes below and draw a picture of what you saw. Find as many of each shape as you can!

Three-dimensional shape	Draw the shape you found.	Write about the shape you found.
Cube		A cube looks like
Cylinder		A cylinder looks like
Sphere		A sphere looks like
Cone		A cone looks like

### STEP 3

Practice both skills in the “Compare and graph” column for the grade you will enter in the fall. Choose **three** skills from the “Addition and subtraction” column for the grade you will enter in the fall. Practice each skill until you earn a SmartScore of at least 80.

GRADE	COMPARE AND GRAPH	ADDITION AND SUBTRACTION
Kindergarten	<a href="#">G.3 Fewer and more - compare by counting</a>	<a href="#">I.1 Add with pictures - sums up to 5</a>
	<a href="#">Q.1 Making graphs</a>	<a href="#">I.3 Add two numbers - sums up to 5</a>
		<a href="#">K.1 Subtract with pictures - numbers up to 5</a>
First grade	<a href="#">K.2 Comparing numbers up to 10</a>	<a href="#">K.3 Subtract - numbers up to 5</a>
	<a href="#">O.1 Record data with tally charts, picture graphs, tables</a>	<a href="#">D.1 Addition facts - sums up to 10</a>
		<a href="#">D.5 Addition word problems - sums up to 10</a>
Second grade	<a href="#">B.1 Comparing numbers up to 100</a>	<a href="#">H.1 Subtraction facts - numbers up to 10</a>
	<a href="#">R.5 Create bar graphs</a>	<a href="#">H.6 Subtraction word problems - numbers up to 10</a>
		<a href="#">E.4 Addition with pictures - sums to 20</a>
		<a href="#">E.5 Write addition sentences to describe pictures - sums to 20</a>
		<a href="#">F.5 Subtraction with pictures</a>
		<a href="#">F.6 Write subtraction sentences to describe pictures - up to 18</a>

### STEP 4

Look at the chart of shapes you completed in Step 2. Count the number of shapes you found and write them in this chart. Figure out which has more or less. Write a number sentence or make a graph to show your thinking.

How many cones?	How many cubes?
Which has more? How many more?	

How many cylinders?	How many cones?
Which has less? How many less?	
How many spheres?	How many cubes?
Which has more? How many more?	
How many cylinders?	How many spheres?
Which has less? How many less?	
How many cubes?	How many cylinders?
Which has more? How many more?	
How many spheres?	How many cones?
Which has less? How many less?	