

# Table of Contents

**How to Use This Book.....** ..... v

**CHAPTER ONE – DESCRIBING SHAPES .....** ..... 1

Describing Lines .....	2
Finding and Drawing Circles and Ovals .....	3
Describing Lines .....	4
Describing Polygons .....	5
Describing Triangles .....	6
Describing Quadrilaterals.....	7
Describing Trapezoids and Parallelograms .....	8
Describing Rectangles and Squares.....	9
Describing Pentagons and Hexagons .....	10
Finding Polygons in a Design .....	11
Matching Shape and Picture.....	12
Describing Shapes.....	13
Describing Quadrilaterals.....	14-15
Describing Polygons .....	16
Drawing Equal Shapes .....	17
Drawing Shapes.....	18
Finding Shapes .....	19
Finding Shapes That Complete a Square .....	20
Combining Shapes.....	21
Drawing Pictures by Combining Shapes.....	22
Describing Solids .....	23-25
Combining Solids .....	26

**CHAPTER TWO – THINKING ABOUT POSITION .....** ..... 27

Describing Position - First, Middle, Last.....	28
Describing Position - First, Second, Third, Fourth .....	29
Showing Position - Left, Center, Right .....	30
Showing Position - Above, Below .....	31
Writing Position Words.....	32

**CHAPTER THREE – SIMILARITIES AND DIFFERENCES – SHAPES .....** ..... 33

Finding Equal Shapes.....	34
Comparing Shapes .....	35-36
Drawing a Different Shape .....	37
Comparing Quadrilaterals .....	38
Dividing Shapes Into Two Equal Parts .....	39
Dividing Shapes Into Three Equal Parts .....	40-41
Dividing Shapes Into Four Equal Parts .....	42
Counting Parts of a Rectangle .....	43

**CHAPTER FOUR – RECOGNIZING PATTERNS .....** ..... 44

What Comes Next? .....	45-46
Drawing a Sequence of Polygons .....	47
Describing a Sequence of Shapes.....	48
Showing a Sequence of Fractions .....	49-50
Tumbling .....	51-53
Paper Folding.....	54-55
Analogies With Shapes .....	56-58

**CHAPTER FIVE – FIGURAL CLASSIFICATIONS .....** ..... 59

Classifying Shapes - Matching.....	60
Classifying Shapes - Find the Exception .....	61

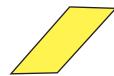
Classifying Shapes .....	62
Classifying Quadrilaterals .....	63
Classifying Shapes .....	64
Classifying Shapes - Forming Groups .....	65
Classifying Shapes in More Than One Class.....	66-68
Classifying Shapes in Rows and Columns .....	69-71
Writing Descriptions of Classes .....	72
<b>CHAPTER SIX – THINKING ABOUT MATTER, WATER, AND WEATHER</b> .....	73
Describing Matter.....	74
Changing Forms of Matter .....	75
Solids, Liquids, and Gases .....	76
Heating and Cooling Water .....	77
The Water Cycle .....	78
Precipitation .....	79
Weather Instruments .....	80
<b>CHAPTER SEVEN – THINKING ABOUT LAND FORMS AND BODIES OF WATER</b> .....	81
Describing Land Forms and Bodies of Water .....	82-83
Describing Land Forms .....	84
Describing Bodies of Water.....	85
How People Change the Land and Water.....	86
Describing Land Forms .....	87
Describing Bodies of Water.....	88
Kinds of Land and Water.....	89
Similar Land or Water .....	90
Comparing Land Forms or Bodies of Water.....	91
Canal & Reservoir/Plain & Desert - How Alike and How Different .....	92-93
Describing a Land Form.....	94
<b>CHAPTER EIGHT – THINKING ABOUT LIVING AND NON-LIVING THINGS</b> .....	95
Describing Living and Non-Living Things .....	96
Comparing Plants and Animals .....	97
Describing Animals .....	98-101
Kinds of Animals .....	102
Unusual Animals .....	103
Animal Habitats.....	104
Describing Parts of an Ant .....	105
The Life Cycle of a Frog.....	106
The Life Cycle of a Butterfly .....	107
Similar Animals .....	108
How are These Animals Alike?.....	109
How are These Animals Different?.....	110
Describing Similarities and Differences.....	111-112
A Different Kind of Animal .....	113
Classifying Animals .....	114
Classifying Animals - Protection.....	115
Animal Analogies .....	116
Writing a Description of an Animal .....	117
<b>CHAPTER NINE – THINKING ABOUT COMMUNITIES</b> .....	118
What A Family Needs.....	119
Needs and Wants.....	120
Describing Jobs .....	121-122
Matching Workers to Their Vehicles.....	123
Describing Buildings .....	124
Kinds of Jobs - Producers or Service Providers .....	125
Workers Who Provide Services .....	126

Similar Jobs .....	127
Describing Similarities and Differences - Jobs.....	128
A Different Kind of Job .....	129
A Sequence of Jobs .....	130
How Workers Make Their Money.....	131
How Workers Spend Their Money .....	132
What a Family Needs.....	133
Analogies About Jobs .....	134-135
Writing a Description of a Job .....	136
Describing Locations.....	137
Describing Directions .....	138-139
<b>CHAPTER TEN – THINKING ABOUT OUR COUNTRY .....</b>	<b>140</b>
Describing Our Continent.....	141
Describing Globes.....	142-143
Describing Our Country .....	144-145
Describing Native Americans .....	146
Needs of the Northwest Tribes.....	147
Needs of the Southwest Tribes .....	148
Needs of the Plains Tribes .....	149
Needs of the Northeast Tribes .....	150
Needs of the Southeast Tribes.....	151
Needs of the Colonists .....	152
What Americans Need - Then and Now.....	153
Analogies About Our Country .....	154

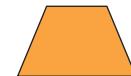
## FINDING POLYGONS IN A DESIGN



triangle



parallelogram



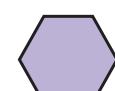
trapezoid



pentagon

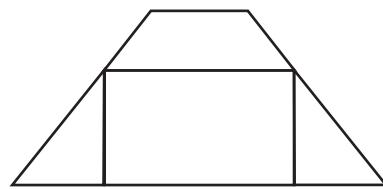


rectangle



hexagon

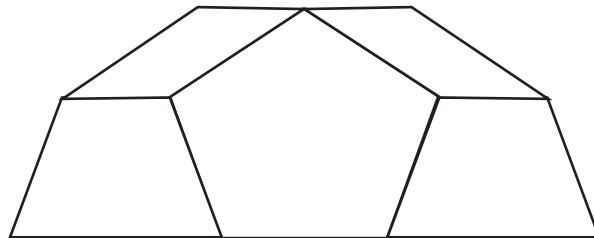
Color the triangles red.



Color the rectangle green.

Color the trapezoid orange.

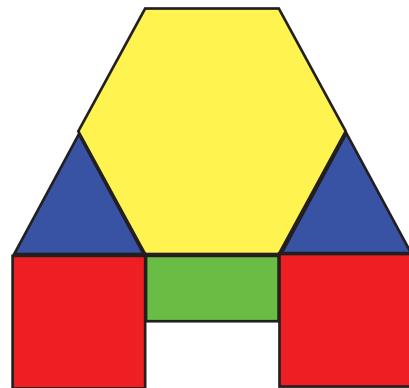
Color the parallelograms yellow.



Color the trapezoids orange.

Color the pentagon purple.

What color is the rectangle? \_\_\_\_\_



What color are the triangles? \_\_\_\_\_

What color are the squares? \_\_\_\_\_

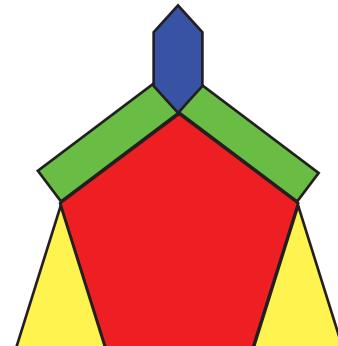
What color is the hexagon? \_\_\_\_\_

Name the red polygon. \_\_\_\_\_

Name the blue polygon. \_\_\_\_\_

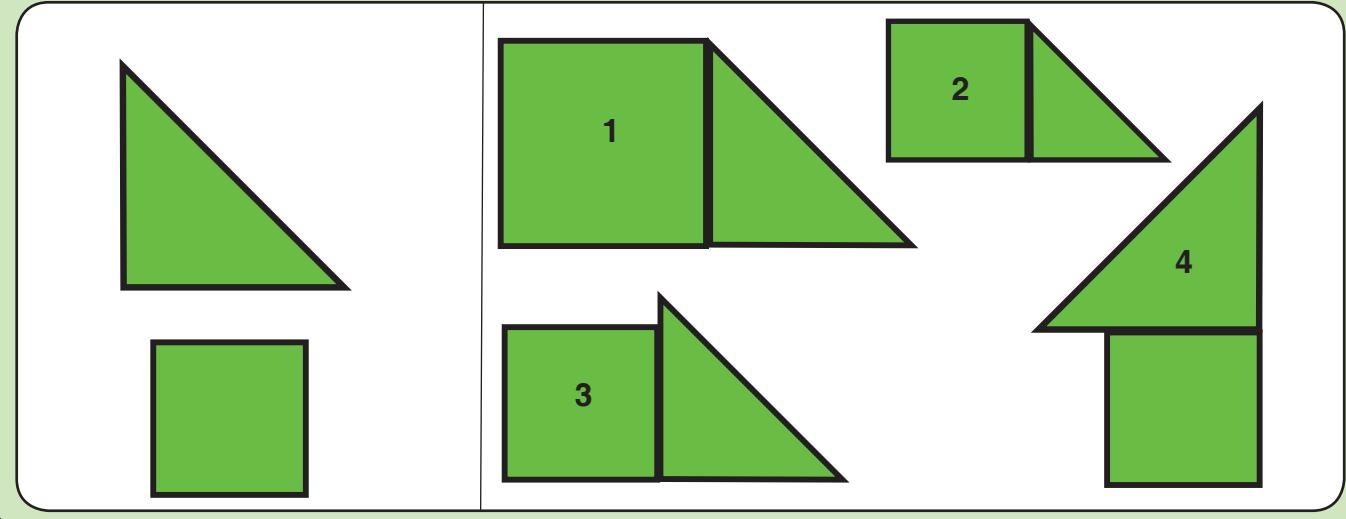
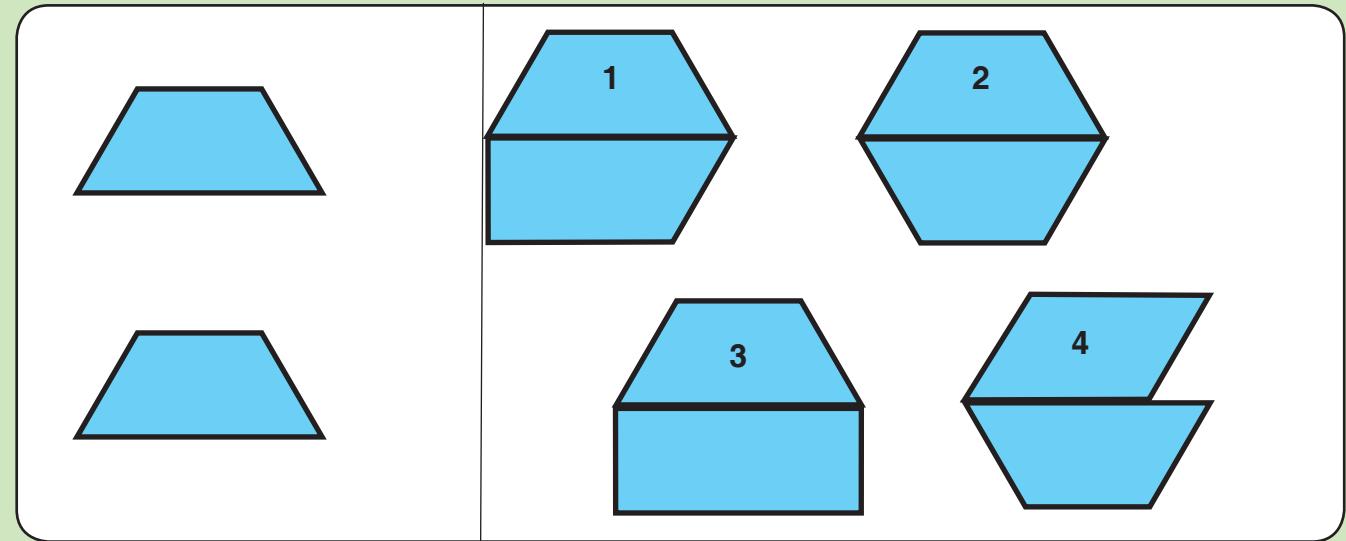
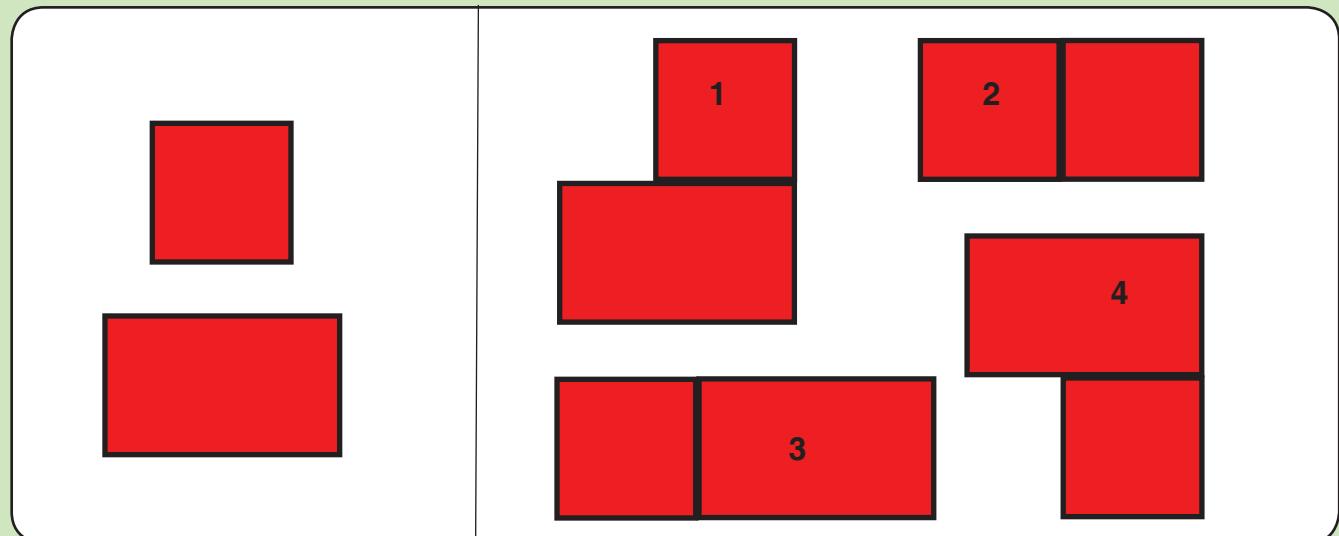
Name the green polygons. \_\_\_\_\_

Name the yellow polygons. \_\_\_\_\_



## COMBINING SHAPES

Mark an "X" over the shapes that **CANNOT** be formed by joining the two shapes in the box.

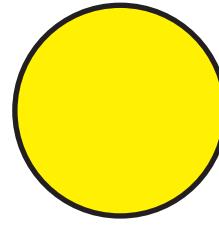
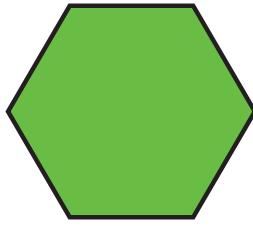
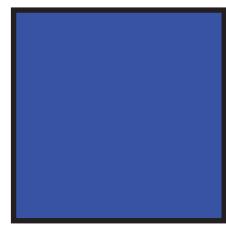
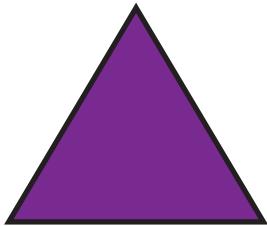


## DESCRIBING POSITION - FIRST, SECOND, THIRD, FOURTH

Using the words in the WORD BOX, write the name of each shape and its position or color.

### WORD BOX

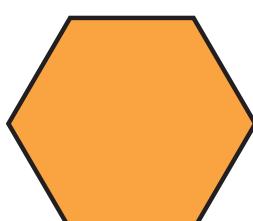
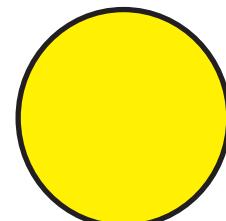
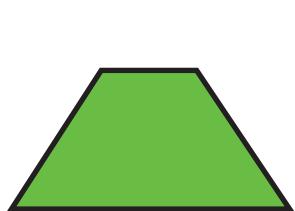
circle, fourth, green, hexagon, orange,  
red, second, square, third, trapezoid



The blue \_\_\_\_\_ is in the \_\_\_\_\_ position.  
name

The yellow \_\_\_\_\_ is in the \_\_\_\_\_ position.  
name

The green \_\_\_\_\_ is in the \_\_\_\_\_ position.  
name



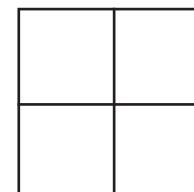
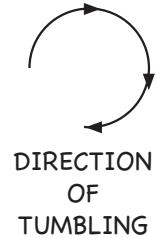
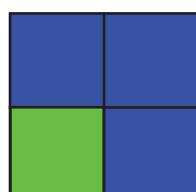
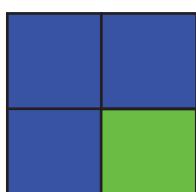
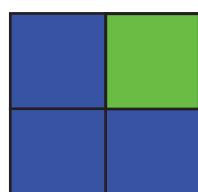
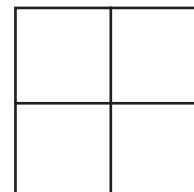
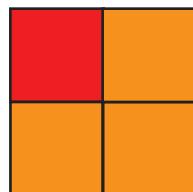
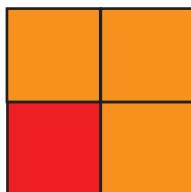
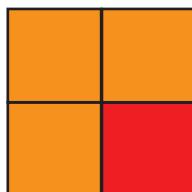
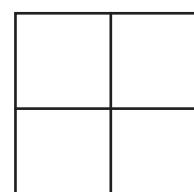
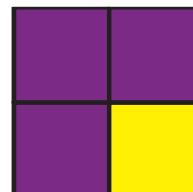
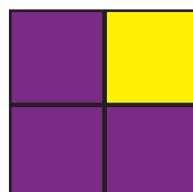
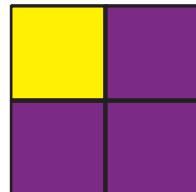
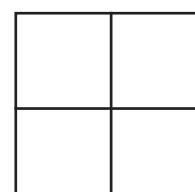
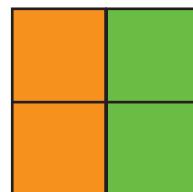
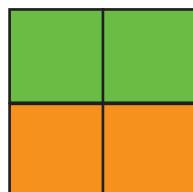
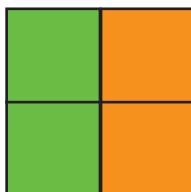
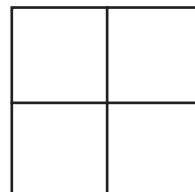
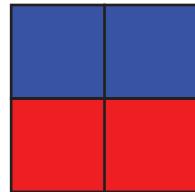
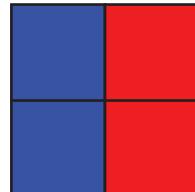
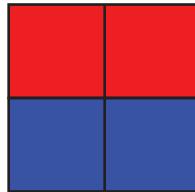
The polygon in the first position is a \_\_\_\_\_  
color \_\_\_\_\_  
name.

The polygon in the third position is a \_\_\_\_\_  
color \_\_\_\_\_  
name.

The polygon in the fourth position is a \_\_\_\_\_  
color \_\_\_\_\_  
name.

## TUMBLING

Color the shape to show how it will look as it tumbles to the next position.



## THE WATER CYCLE

Heat from the sun causes water to evaporate from rivers, lakes, and oceans. The warm, invisible water vapor rises higher and higher. As it rises, it cools. When moist air is cooled, tiny water droplets condense into clouds. When the water droplets grow large enough, they fall as rain. The rain runs off the land into rivers. The rivers flow into the ocean.



clouds



ocean



rain



river

Use the words in the WORD BOX to complete the water cycle diagram.

**WORD BOX**  
condenses, evaporates, falls, flows



sun and ocean



river



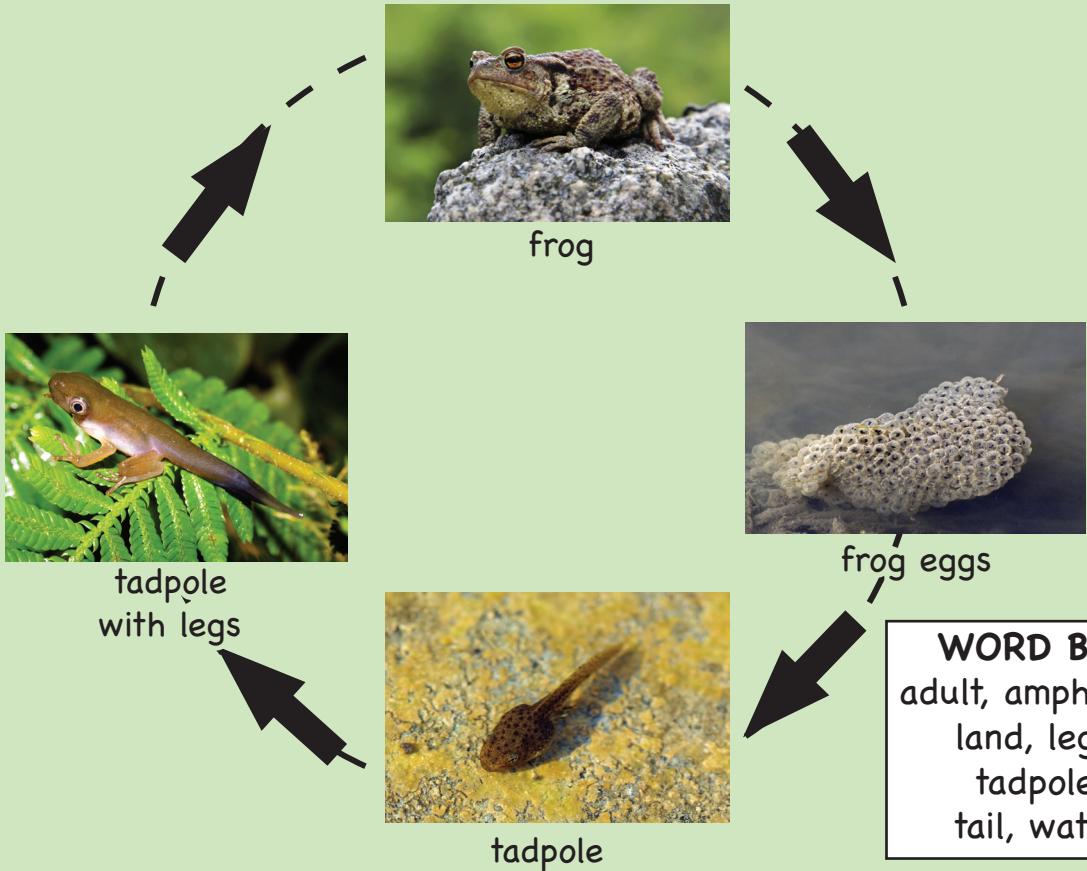
clouds

rain



## THE LIFE CYCLE OF A FROG

Use the words in the WORD BOX to describe the life cycle of a frog.



A frog is an \_\_\_\_\_, an animal  
 whose body changes to live first in \_\_\_\_\_ and  
 then on \_\_\_\_\_. A frog's egg hatches into a  
 \_\_\_\_\_ that can breathe in water and swims  
 with a long \_\_\_\_\_. As it grows up, it loses its  
 \_\_\_\_\_ and grows \_\_\_\_\_. The way it breathes  
 changes as it become an \_\_\_\_\_ frog.