

Fall Activity Book



5th Grade

Name: _____

Fall Fun Facts

Read the fun facts carefully. You will need them for the activities!

Astronomical fall lasts from the equinox (September 22 or 23) to the winter solstice (December 21 or 22), the shortest day of the year.



Leaves make food through photosynthesis: chlorophyll captures sunlight and turns water and carbon dioxide into sugar. In fall the tree stops this process and pulls useful nutrients back into its branches before the leaf drops.



Red fall colors come from anthocyanins (say: an-tho-SY-uh-nins). Scientists think they act like sunscreen, protecting the leaf while the tree recovers its nutrients.



Dry, sunny fall days and cool (but not freezing) nights produce the brightest reds. That is why New England is famous for its fall foliage.



Monarchs are the only butterflies known to make a two-way migration like birds. A single fall generation lives up to eight months, while summer monarchs live only a few weeks.



Bears do not truly hibernate. They enter torpor: a lighter sleep in which body temperature drops only a little, and a mother can even wake to care for cubs.



The harvest moon looks large and orange near the horizon because you see it through more of Earth's atmosphere, which scatters blue light away.



Wisconsin grows more than half of all US cranberries. The berries grow on low vines in sandy bogs, not in water; fields are flooded only to harvest them.



The United States grows about 2,500 kinds of apples, but only about 100 are sold in stores. The most popular is the Gala.



Activities

You can find all the answers in this book!

1. When does astronomical fall end?

2. What does chlorophyll do in photosynthesis?

3. What do scientists think anthocyanins do for a leaf?

4. What kind of weather gives the brightest red leaves?

5. How long can a fall monarch butterfly live?

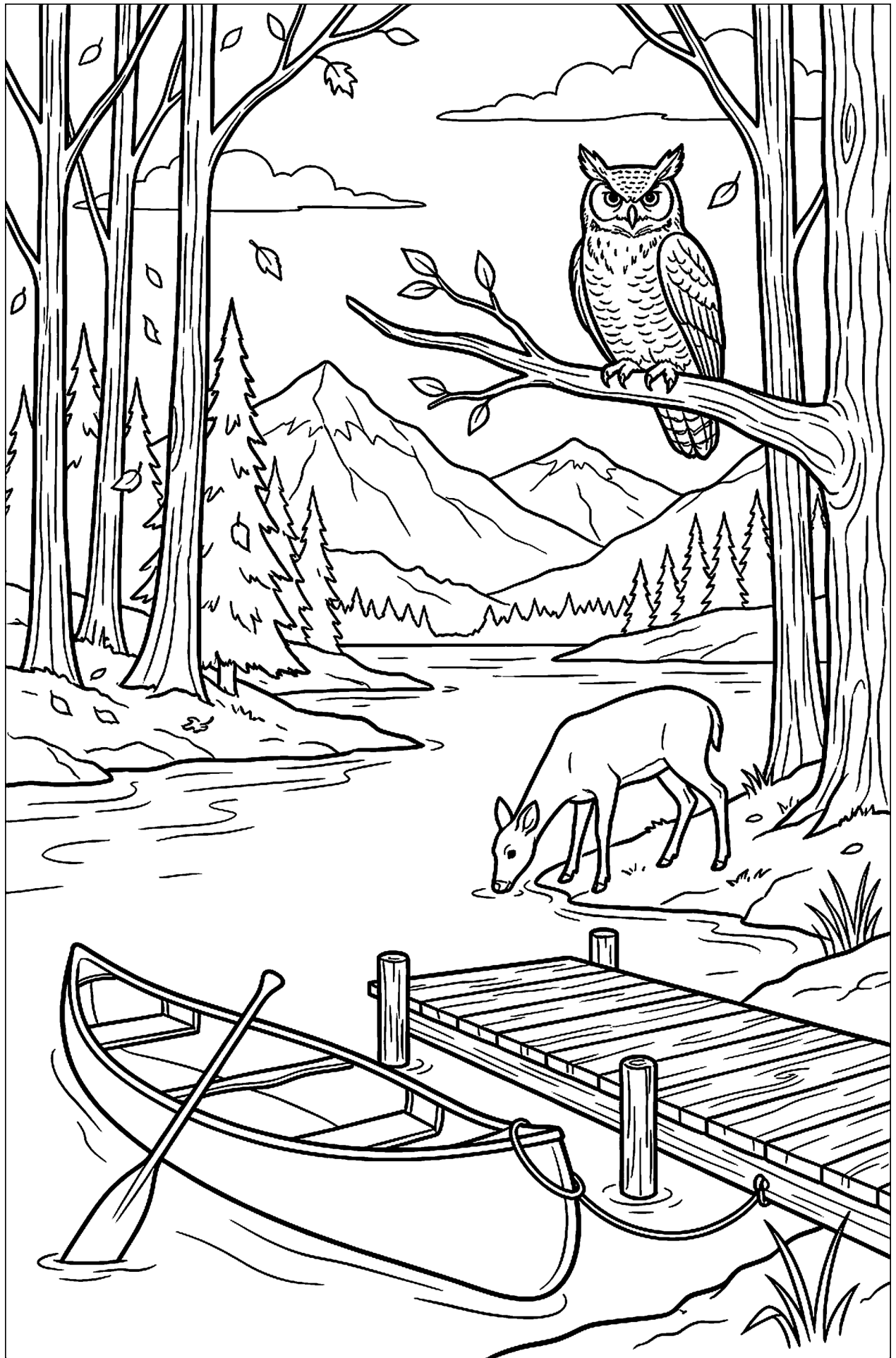
6. What is torpor?

7. Why does the harvest moon look orange near the horizon?

8. Which state grows the most cranberries?

9. Go to mokifun.com and play: Falling Leaf.

What was your score? I scored _____ points.



Word Scramble

Unscramble the letters. All the words are about fall!



O R U H M O M S →

R T A E W E S →

L A L O F T B O →

I L Y H C L →

E R E B E Z →

R O Z E M A N C →

U A M N T U →

E R U Y T K →

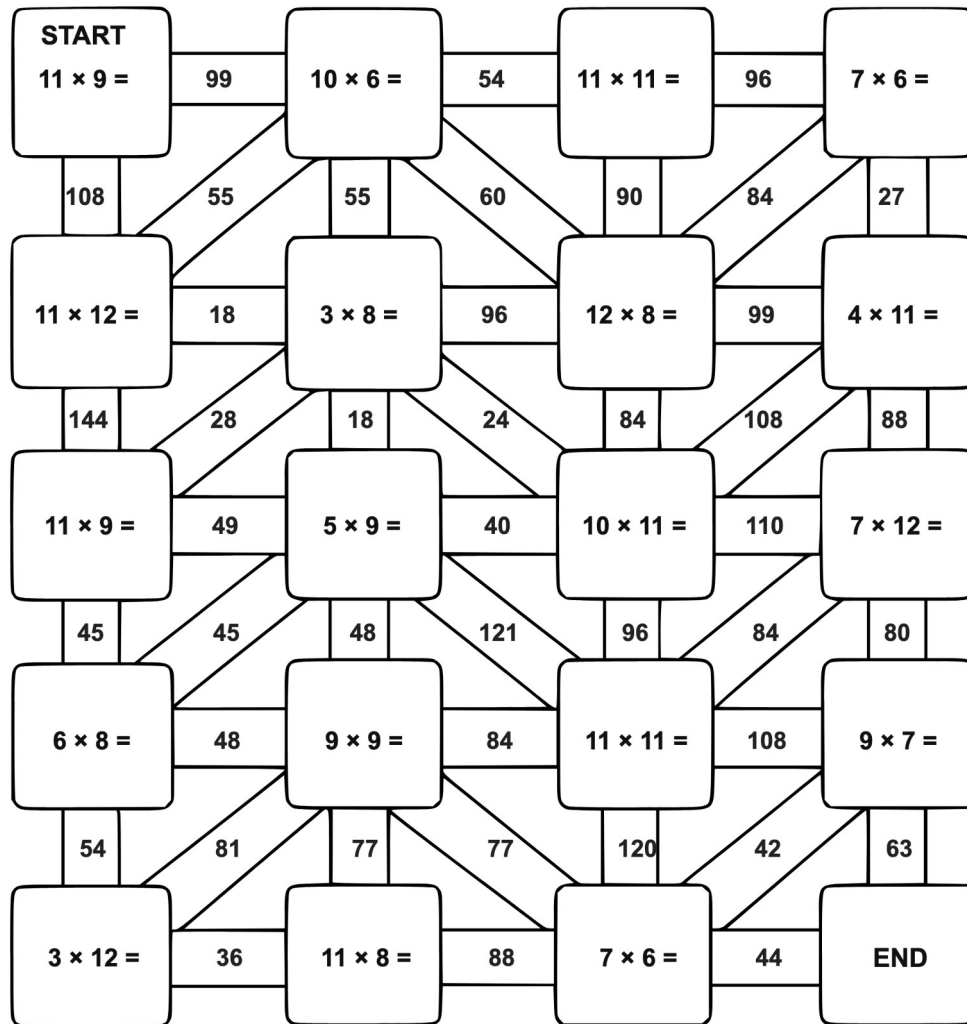
N C T T U H E S →

E A L S V E →



Multiplication Maze

Solve the problems and color the correct path from start to end.



Activity

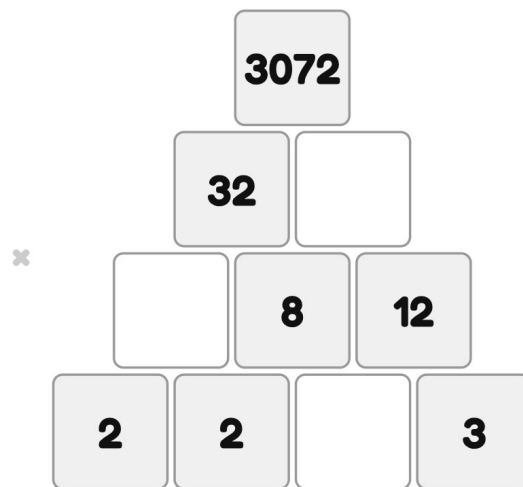
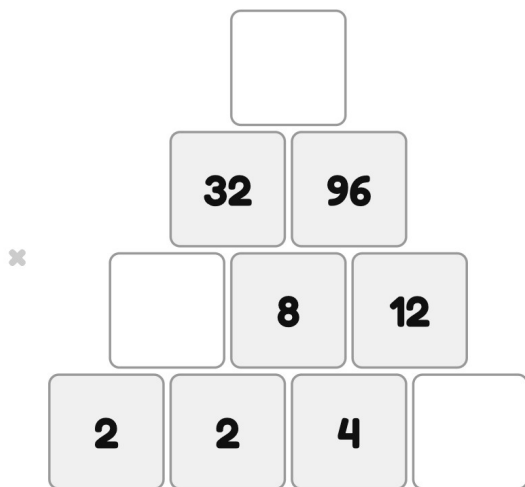
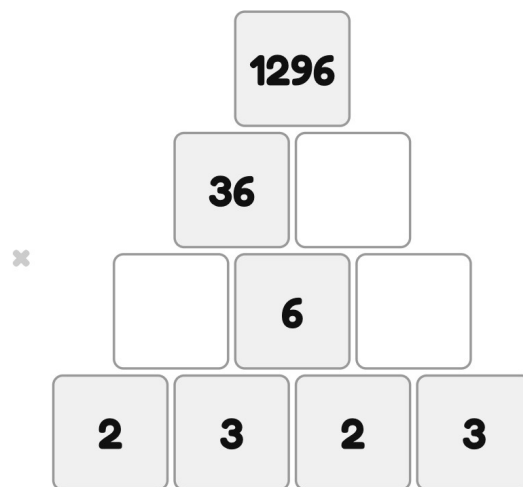
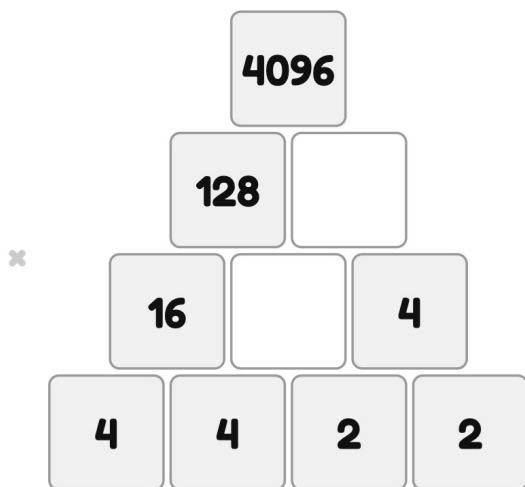
Go to mokifun.com and play: Math Monkey

How many problems did you get right?

My score: _____

Math Pyramid

Each box is the product (x) of the two boxes below it. Fill in the empty boxes.



Word Search

Find all the words. The leftover letters spell the secret word.



S	N	C	G	O	O	S	E	S	P	I	E
W	M	I	H	A	P	N	C	F	S	B	P
E	U	D	Y	O	O	A	O	R	E	R	M
A	T	E	H	C	R	T	W	O	V	E	A
T	U	R	E	E	S	C	L	S	A	E	P
E	A	N	C	E	D	C	H	T	E	Z	L
R	I	R	V	A	F	G	A	A	L	E	E
P	O	R	C	Y	A	H	E	R	R	A	L
W	A	O	S	Q	U	A	S	H	F	D	P
H	R	P	U	M	P	K	I	N	O	L	P
N	L	C	H	E	S	T	N	U	T	G	A



owl

acorn

frost

squash

sweater

hedgehog

hay

maple

scarf

breeze

orchard

scarecrow

pie

cider

leaves

harvest

chestnut

apple

goose

autumn

pumpkin

pinecone



Solution: _____

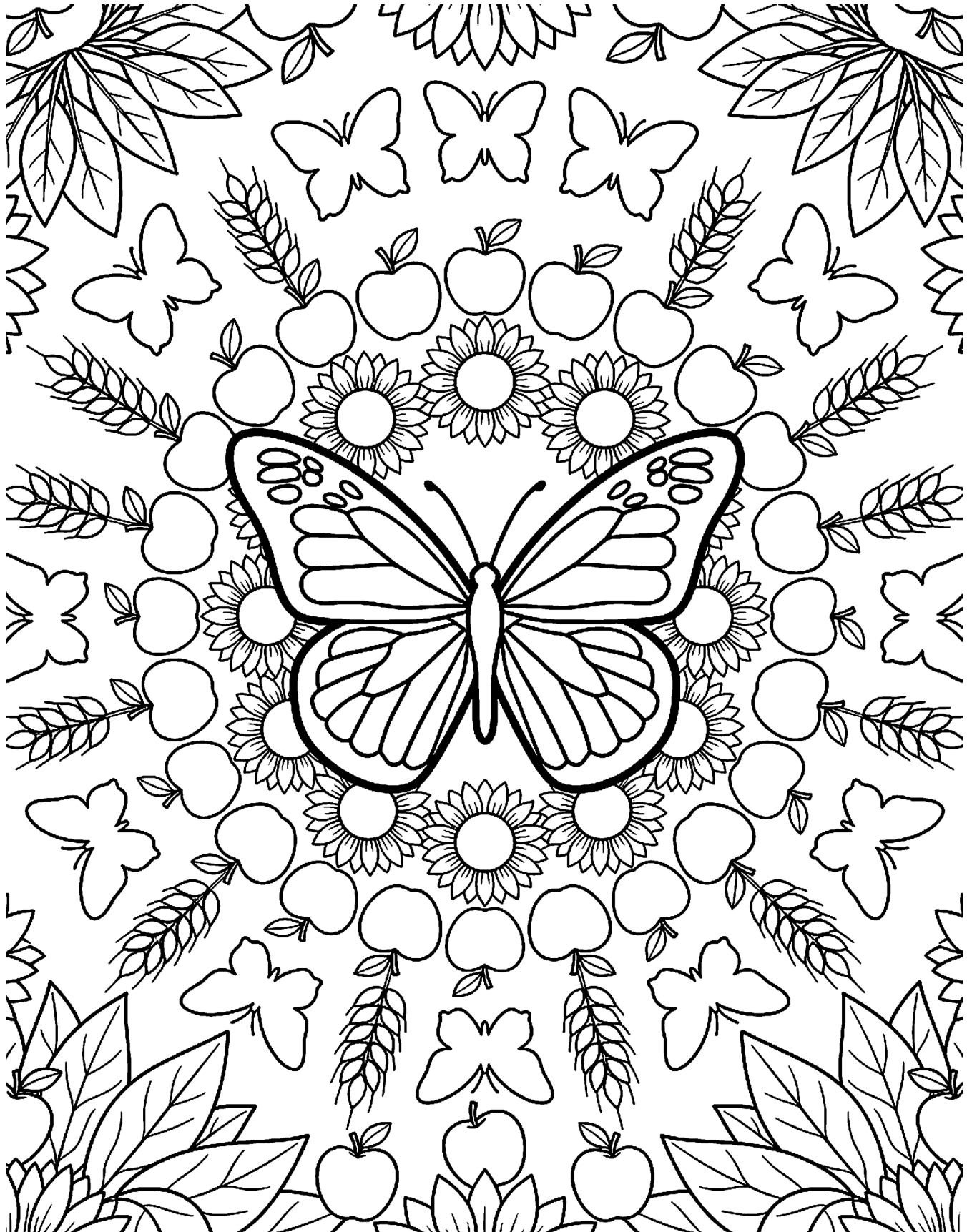
Activity

Go to mokifun.com and play: Word Race

How fast can you find the words?

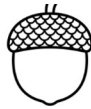
My score: _____

Mandala



Sudoku

Every digit from 1 to 9 appears once in each row, column, and box.



Puzzle 1

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

Puzzle 2

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

Puzzle 3

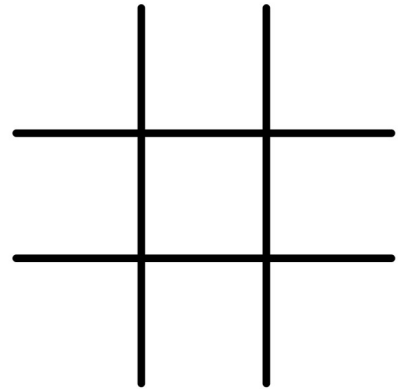
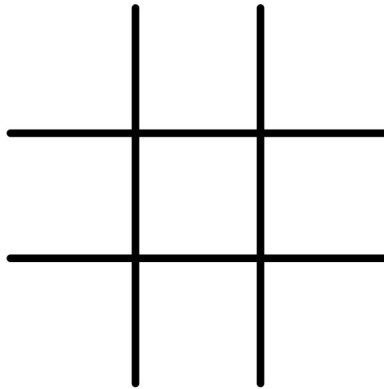
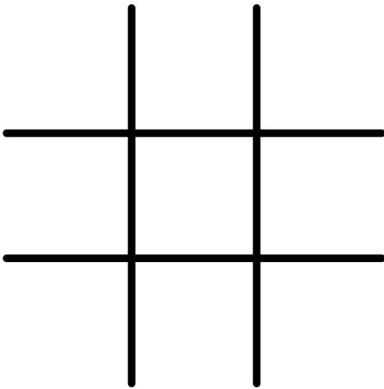
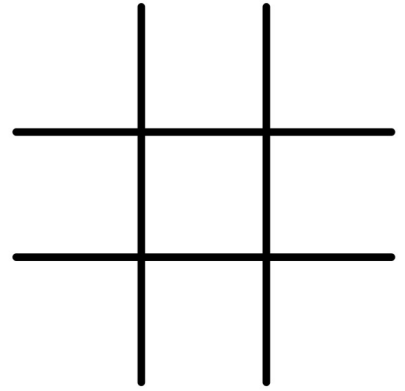
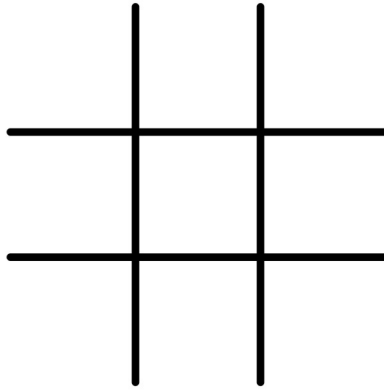
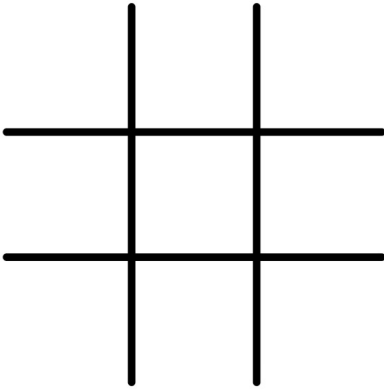
3							1	
		6			1			
5		7	8		3			9
	8		4			1		
	5			6				
			5	1		2	9	6
7		8		3	6			
		2	9	5			8	7
9		5	7				6	

Puzzle 4

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

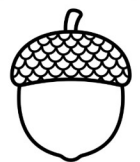
Tic-Tac-Toe

A game for two. Who wins the most games?



How to play Tic-Tac-Toe (2 players)

1. One player uses X, the other uses O. Take turns marking one square.
2. The first player to get three in a row – across, down, or diagonally – wins the game.
3. Board full and no three in a row? It is a tie. Play six games: who wins the most?



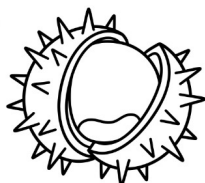
Picture Puzzle

The numbers tell you how many squares in a row to color. What picture appears?

See "2 1"? Color 2 squares, leave at least 1 empty, then color 1 more.



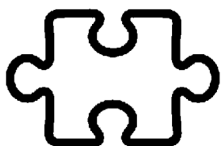
		5					5				
		2	3	4	1	10	10	1	4	3	2
	4										
	6										
	8										
	10										
	10										
	2										
	2										
	2										
	2										
	2										
	4										



Fun Games!



www.mokifun.com



Puzzles



Mazes



Race



Coloring