

Fall Activity Book



4th Grade

Name: _____

Fall Fun Facts

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

Meteorologists (weather scientists) say fall runs from September 1 to November 30. Astronomers (star scientists) start it at the equinox, around September 22.



Seasons happen because Earth is tilted about 23.5 degrees. In fall, the northern half of Earth tilts away from the sun, so sunlight hits us at a lower angle and days get cooler.



When it is fall in the United States, it is spring in Australia and South America. The southern half of Earth has opposite seasons.



A tree gets ready to drop a leaf by growing a thin layer of cells at the base of the stem. The leaf is sealed off, dries, and falls. That is why the season is called "fall."



Trees that drop their leaves every year are called deciduous (say: dih-SID-you-us). Pines and firs keep their needles and are called evergreens.



Monarch butterflies that migrate in fall have never made the trip before, yet they find the same Mexican forests their great-grandparents used.



Black bears can eat up to 20,000 calories a day in fall. That is about ten times what an adult person eats.



Geese fly in a V so each bird rides the air pushed up by the bird in front. It saves energy, and the leader changes when it gets tired.



On the first Sunday of November, Daylight Saving Time ends: at 2:00 a.m. clocks go back to 1:00 a.m. Hawaii and most of Arizona do not change their clocks.



Activities

You can find all the answers in this book!

1. When does fall start for weather scientists, and when for astronomers?

2. Why do we have seasons?

3. What season is it in Australia when it is fall in the US?

4. Why is the season called "fall"?

5. What is a deciduous tree?

6. How much can a black bear eat in a day in fall?

7. Why do geese fly in a V?

8. Which states do not change their clocks?

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!



S O T F R →

T L O A B L F O →

Y I L H L C →

R S T W E A E →

C A R N O →

E R E Z E B →

S O G O E →

T C S N T H E U →

T R N A C I O A →

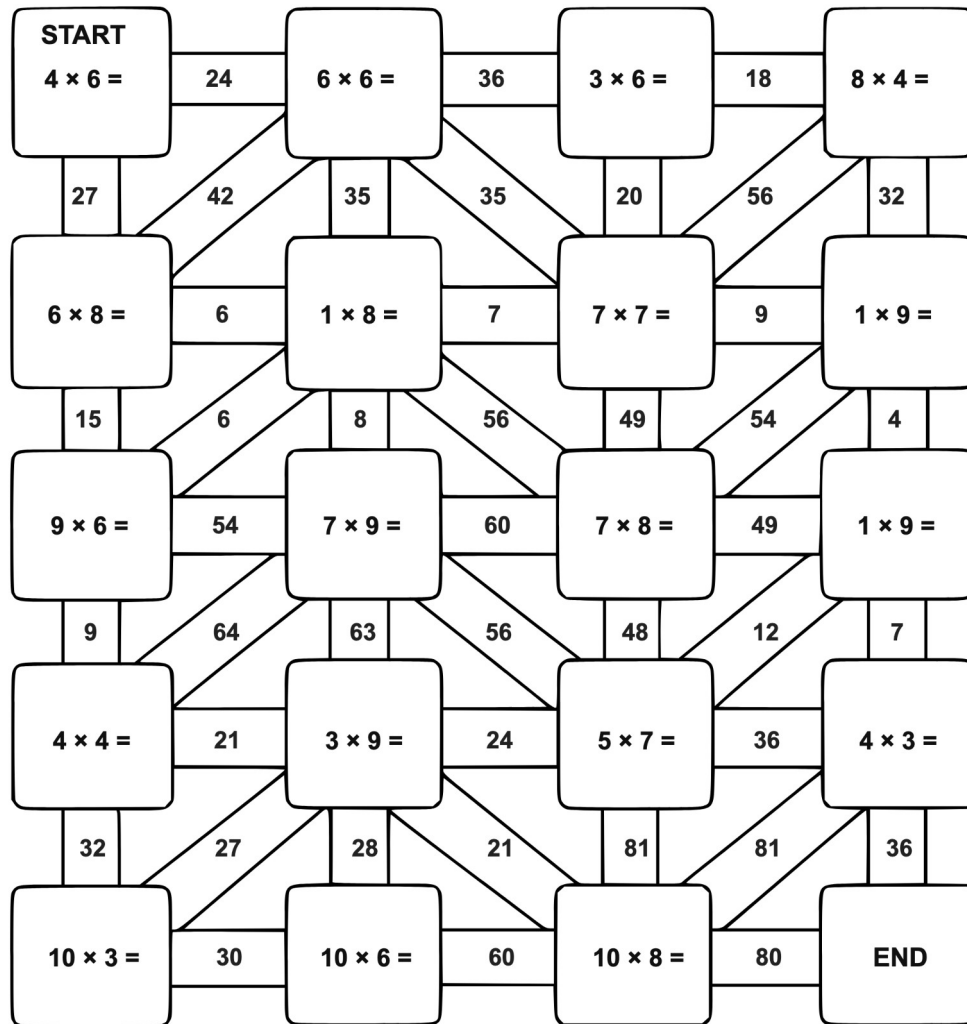
H Q U S S A →





Multiplication Maze

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



Activity

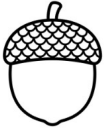
Go to mokifun.com and play: Math Monkey

How many problems did you get right?

My score: _____

Matching

Match the tree to its seed or nut!



Apple tree ●

● Acorn

Oak ●

● Pinecone

Maple ●

● Hickory nut

Pine ●

● Walnut

Walnut ●

● Helicopter seed

Hickory ●

● Sunflower seed

Chestnut ●

● Apple with seeds inside

Sunflower ●

● Kernel

Corn ●

● Chestnut in a spiky shell



Word Search

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



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



owl

hay

pie

leaf

tree

wind

rain

corn

rake

apple

acorn

maple

goose

frost

scarf

leaves

autumn

breeze

harvest

pumpkin

sweater



Solution: _____



Activity

Go to mokifun.com and play: Word Race

How fast can you find the words?

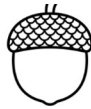
My score: _____

Mandala



Sudoku

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



Puzzle 1

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

Puzzle 2

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

Puzzle 3

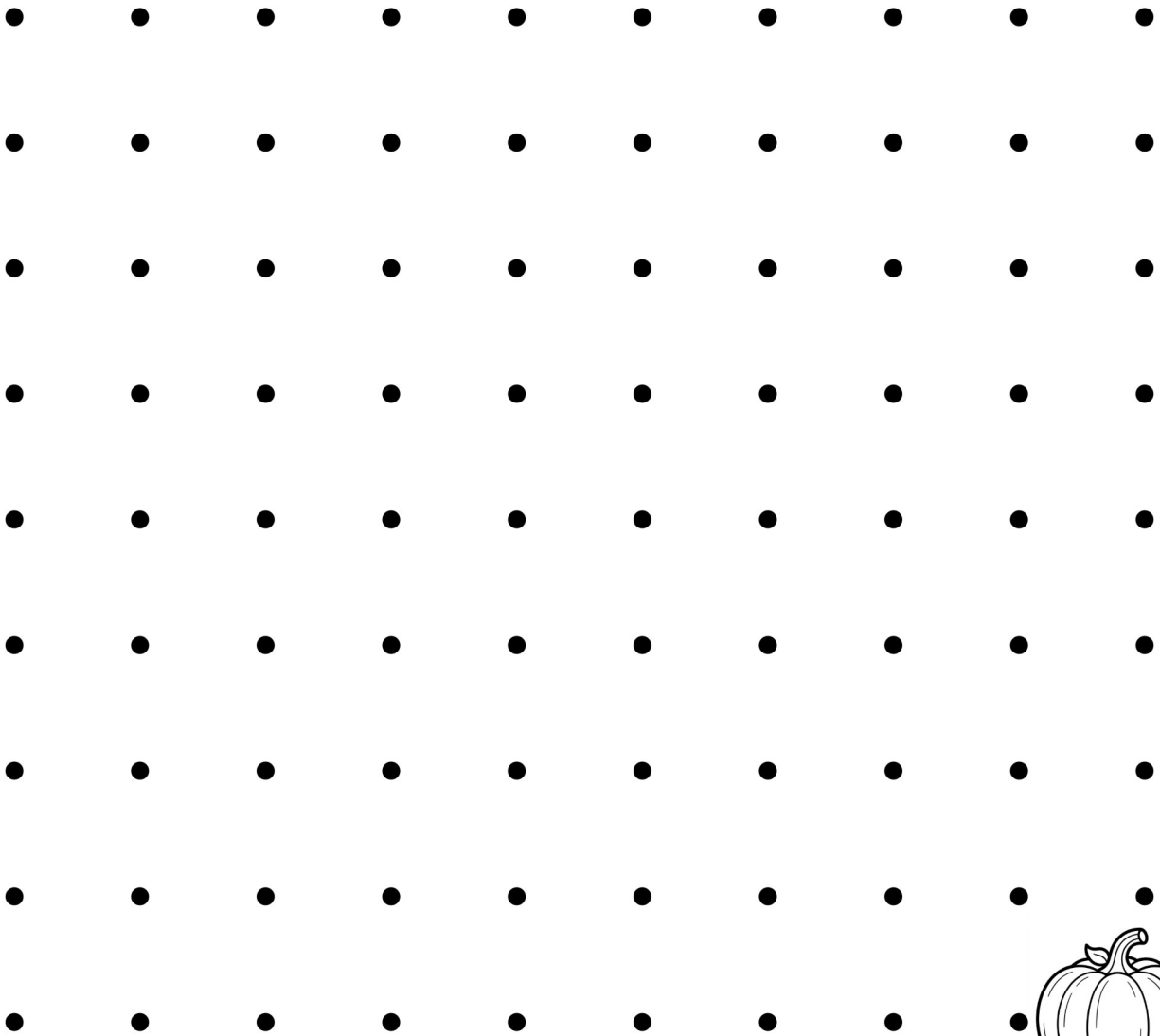
8	7			2				3
		3		4				
4	1	5	8	3				2
			3		6			4
7								6
			7		9	2	1	8
9			2					5
5		7	1		4		2	
2	4		5	9	3	6	8	7

Puzzle 4

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

Dots and Boxes

A game for two. Read the rules at the bottom and play!



How to play Dots and Boxes (2 players)

1. Take turns drawing one line between two dots that are next to each other (no diagonals).
2. Did your line close a box? Write your initial in it: that box is yours.
3. After closing a box, you get one more turn.
4. When all boxes are closed, the player with the most boxes wins!

Code Breaker

Each symbol stands for a letter. Crack the code and read the sentences!



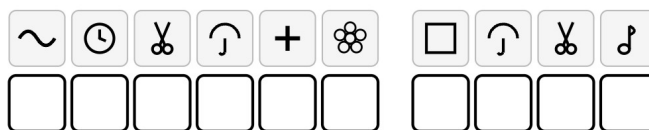
Secret Code

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

Message 1



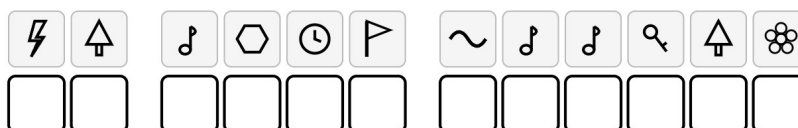
Message 2



Message 3



Message 4



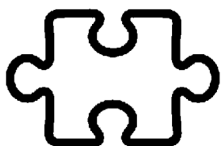
Message 5



Fun Games!



www.mokifun.com



Puzzles



Mazes



Race



Coloring