

Winter Activity Book



4th Grade

Name: _____

Winter Fun Facts

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

Weather scientists say winter runs from December 1 to the end of February. Astronomers start it at the solstice, around December 21.



Seasons exist because Earth is tilted about 23.5 degrees. In winter, our half of the planet leans away from the sun, so sunlight arrives at a low angle.



Wind chill tells you how cold it FEELS: wind blows away the warm air around your body, so a windy day feels much colder than the thermometer shows.



In 1887, a rancher in Montana reported snowflakes as wide as milk pans, about 15 inches. It is an old story that was never proven, but it is still the most famous snowflake claim ever.



Sleet is frozen raindrops; freezing rain is rain that freezes the moment it lands. Both make roads dangerously slippery.



Monarch butterflies spend the winter in Mexico; many US birds fly hundreds or thousands of miles south. That seasonal journey is called migration.



A snowshoe hare gets its name from its huge back feet, which work like snowshoes and stop it from sinking into deep snow.



The first Winter Olympics were held in 1924 in Chamonix, France. Ski jumping has been part of the Games from the very start.



Antarctica is the coldest place on Earth. The lowest temperature ever measured there is about minus 129 degrees Fahrenheit.



Activities

You can find all the answers in this book!

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

2. Why do we have seasons?

3. What does wind chill describe?

4. What is the difference between sleet and freezing rain?

5. What is migration?

6. Why is the snowshoe hare named that way?

7. When and where were the first Winter Olympics?

8. What is the coldest place on Earth?

9. Go to mokifun.com and play: Ski Jump.

What was your score? I scored _____ points.

Word Scramble

Unscramble the letters. All the words are about winter!



D B I Z L Z A R →

T O O S B →

O E S V L H →

L O V G E →

L A B L S W N O →

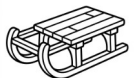
E F R E Z E →

T E A S K →

F A S R C →

R W T N E I →

N I E T T M →



Solve the problems and crack the code!

8 = W

$$12 = 0$$

$$16 = K$$

28 = F

32 = E

36 = A

$$60 = L$$

$$70 = N$$

$$90 = S$$

① $10 \times 9 = \underline{\hspace{2cm}}$

② $10 \times 7 = \underline{\hspace{2cm}}$

③ $2 \times 6 = \underline{\hspace{2cm}}$

④ $1 \times 8 = \underline{\hspace{2cm}}$

⑤ $4 \times 7 = \underline{\hspace{2cm}}$

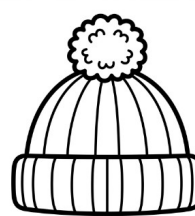
⑥ $10 \times 6 = \underline{\hspace{2cm}}$

⑦ $4 \times 9 = \underline{\hspace{2cm}}$

⑧ $2 \times 8 = \underline{\hspace{2cm}}$

⑨ $4 \times 8 = \underline{\quad\quad\quad}$

1	2	3	4	5	6	7	8	9


$$6 = N$$

$$7 = U$$

$$15 = F$$

$$20 = E$$

$$28 = W$$

35 = R

$$40 = T$$

72 = 1

① $4 \times 7 = \underline{\hspace{2cm}}$

② $8 \times 9 = \underline{\hspace{2cm}}$

③ $1 \times 6 = \underline{\quad \quad \quad}$

④ $5 \times 8 = \underline{\hspace{2cm}}$

⑤ $5 \times 4 = \underline{\hspace{2cm}}$

⑥ $5 \times 7 = \underline{\hspace{2cm}}$

⑦ $5 \times 3 = \underline{\hspace{2cm}}$

⑧ $1 \times 7 = \underline{\hspace{2cm}}$

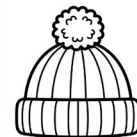
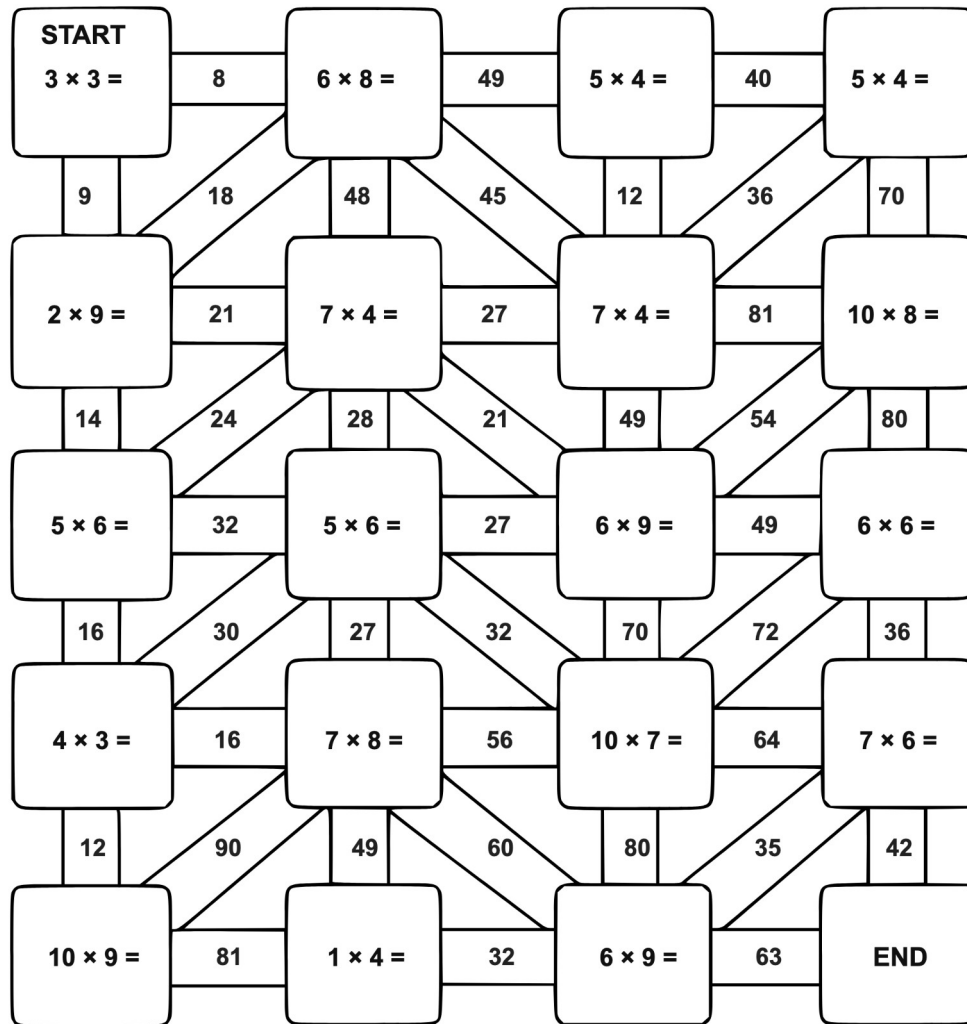
⑨ $2 \times 3 = \underline{\hspace{2cm}}$

[illegible]



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 word to its meaning!



Wind chill ●

● A tool that measures temperature

Hibernation ●

● A mass of snow sliding down a mountain

Migration ●

● A layer that keeps heat in

Evergreen ●

● Traveling to a warmer place

Avalanche ●

● A tree that keeps its needles

Insulation ●

● A pile of snow blown by the wind

Thermometer ●

● A deep winter sleep

Frostbite ●

● Skin damage from freezing cold

Snowdrift ●

● How cold the wind makes it feel



Word Search

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



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



ice	ski	hat	sled
snow	cold	coat	wind
frost	scarf	skate	storm
igloo	boots	glove	icicle
mitten	freeze	shovel	flurry
snowman			

Solution: _____

Activity

Go to mokifun.com and play: Word Race

How fast can you find the words?

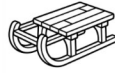
My score: _____

Mandala



Sudoku

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



Puzzle 1

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

Puzzle 2

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

Puzzle 3

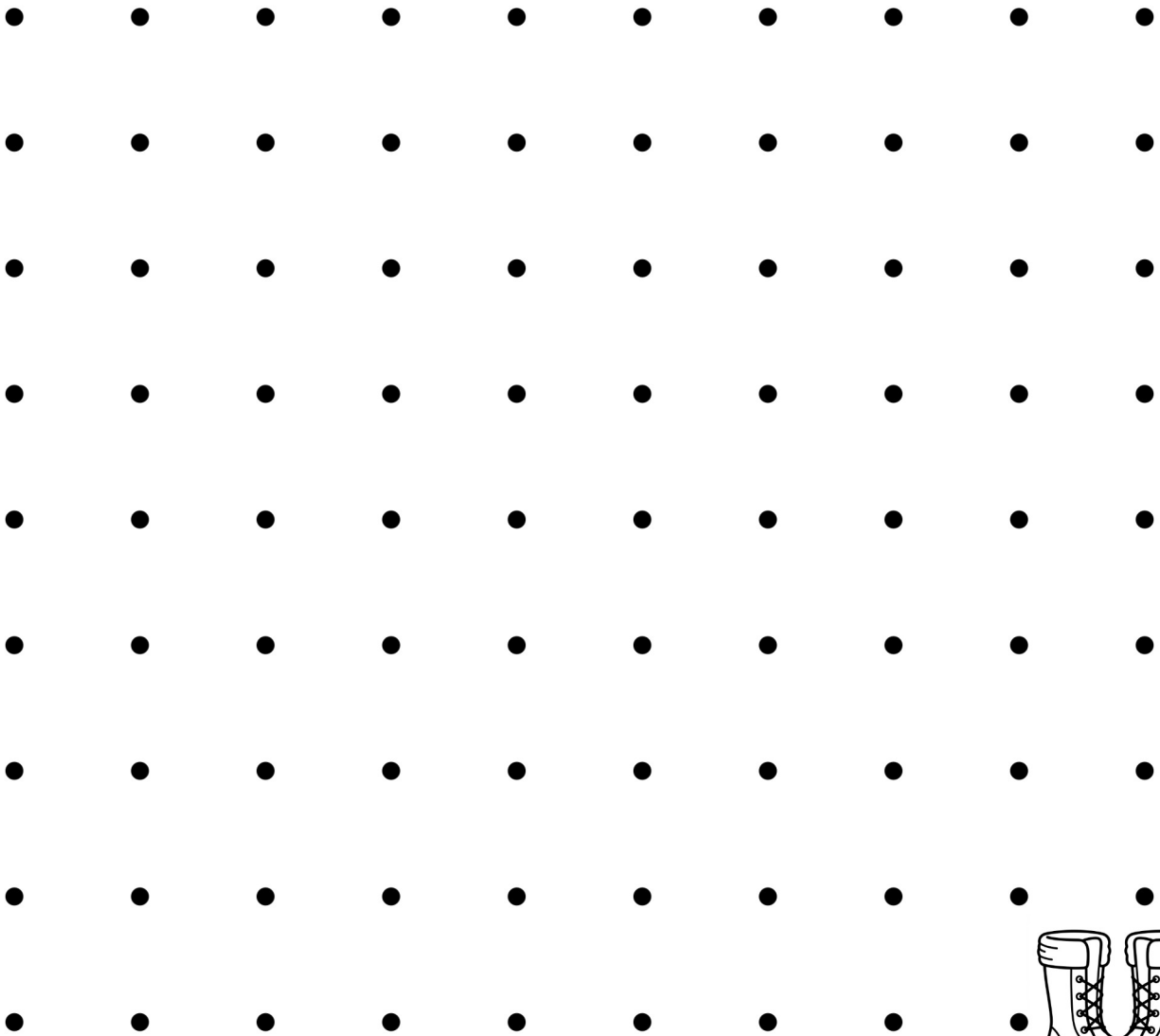
1	7					6	4	
	4	9				5		
3		5	7		4		2	9
	1	6	8	2	3	9	5	
			6		5	4	1	
	9	2						
			5	1	8	3	9	
9						2		1
	3	1	9				6	

Puzzle 4

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

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		=	B		=	C		=	D		=	E		=	F		=	H		=	I		=	K
	=	L		=	N		=	O		=	R		=	S		=	T		=	U		=	V		=	W
	=	X		=	Y																					

Message 1

Message 2

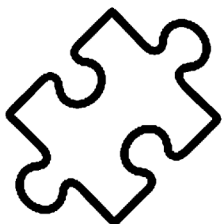
Message 3

Message 4

Message 5



FUN GAMES!



PUZZLES



MAZES



RACE



COLORING