GRADES 2-4 · 3 LEVELS

Winter Escape Room



Fillable PDF | 32 Pages | 4 Puzzles

Four puzzles. One locked sled shed. One code.

START HERE

QUICK START

A winter escape room for 2nd through 4th grade. One locked door, four puzzles, one 4-number code. Print it, hand it out, start the clock.

THREE STEPS

1. **Print and pick levels**
   Print the mission page (6) and lock page (19) once a team, and ONE level of each puzzle for each team: one dot, two dots or three dots (the dots are on the name line). Every level of a puzzle gives the same number, so teams at different levels open the same lock.

2. **Run it**
   Read the story aloud, hand each team 3 hint tickets (page 20), start the clock. Teams solve the four puzzles in any order, write each number on the lock page and bring it to you. The code is on page 24.

3. **Close it out**
   Certificate (page 22), team talk (page 21), team log (page 25), class results (page 26), family note (page 28). A filled team log is on page 27.

WHICH PAGE, WHEN

WHEN…	USE…
A 30 to 45 minute class event	Mission 6, four puzzles 7–18, lock page 19
Teams at different reading or math levels	One-dot pages 7, 10, 13, 16 · two-dot 8, 11, 14, 17 · three-dot 9, 12, 15, 18
Centers over a week	One puzzle a day; the lock page (19) collects the four numbers
One child, or an early finisher	Any puzzle page alone; the keys are on pages 23–24
Setting up the room, hints, a real lock	How to run it, page 4 · hint tickets, page 20
Writing a note home or a progress note	Family note, page 28 · phrase bank, page 29

Everything inside (32 pages)

- **12 puzzle pages**: 4 puzzles × 3 levels, every level of a puzzle giving the same lock number
- **Math facts** (9 a page), **unscramble** (5 words a page), **a number cipher**, **what-comes-next patterns**
- **Mission page, lock page, 9 hint tickets, team talk page, certificate**
- **2 answer-key pages** with the code and a hint for every puzzle, a **team log**, **class results**, a **filled example**, a **family note**, a **phrase bank**
- **1 binder cover, 6 divider tabs**, a spine label

One answer each

Every puzzle was checked by a program while the pages were built: one answer, one number, and the same number at every level. The keys (pages 23–24) are printed from that same check, so the key and the puzzle cannot disagree.

MISSION

THE LOCKED SLED SHED

Team name: _____ Date .....

Read the story. Then solve the four puzzles.

THE LOCKED SLED SHED

It is a snow day, and the whole class wants to go sledding. All the sleds are inside the sled shed.

But the shed door is locked! The lock needs a four-number code.

Four puzzles hold the four numbers. Solve them all before the snow melts.

1. Work as a team.
2. Solve the four puzzles.
3. Write each number on the lock page.
4. Open the sled shed!

Our mission list

1	The Sled Rack	page 7, 8 or 9	Done ☐
2	The Mixed-Up Map	page 10, 11 or 12	Done ☐
3	The Secret Note	page 13, 14 or 15	Done ☐
4	The Mitten Line	page 16, 17 or 18	Done ☐
✓	Open the lock	page 19	Done ☐

Our team

1. _____ 2. _____ 3. _____ 4. _____

PUZZLE 1: THE SLED RACK

ADD AND SUBTRACT TO 100

My name: _____ Date .....

Solve each fact. Find its letter in the key.

1. Solve.
2. Find the answer in the key.
3. Write its letter.

1	13 + 17 =		→	2	72 − 23 =		→
3	84 + 15 =		→	4	95 − 62 =		→
5	11 + 10 =		→	6	67 − 12 =		→
7	14 + 18 =		→	8	81 − 24 =		→
9	17 + 78 =		→				

The key: answer → letter

21	30	32	33	43	45	49	55	57	75	95	96	99
S	F	E	R	T	C	O	L	D	A	S	J	U

Write each letter in its numbered box. Read the secret words.

1	2	3	4		5	6	7	8	9

The number word is our lock number: ☐ Write it on the lock page too.

PUZZLE 2: THE MIXED-UP MAP

WORD BANK

My name: _____ Date .....

Unscramble each word. Use the word bank.

1. **Unscramble.**
2. **Write one letter in each box.**
3. **Copy the circled letters.**

Word bank (two are not used)

winter · glove · polar · scarf · slope · snowy · stove

1. E P O S L → ◯ ☐ ☐ ☐ ☐
2. E I W R T N → ☐ ☐ ☐ ☐ ◯ ☐
3. V L E G O → ☐ ☐ ☐ ◯ ☐
4. V O E T S → ☐ ☐ ☐ ☐ ◯
5. W Y N O S → ☐ ◯ ☐ ☐ ☐

The circled letters, in order:

1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐

They spell a number word. That number is our lock number: ☐

Write it on the lock page too.

PUZZLE 3: THE SECRET NOTE

LONG NOTE

My name: _____ Date .....

Each number is a letter. Use the key.

1. Find the number in the key.
2. Write its letter.
3. Read the note.

The key: A is 1, Z is 26

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

The secret note

20	8	5		19	8	5	4		12	15	3	11

14	5	5	4	19		1		14	9	14	5

Make your own: write a number on each top line, then the letter it stands for. Give it to a friend.

The number word in the note is our lock number: ☐ Write it on the lock page too.

PUZZLE 4: THE MITTEN LINE

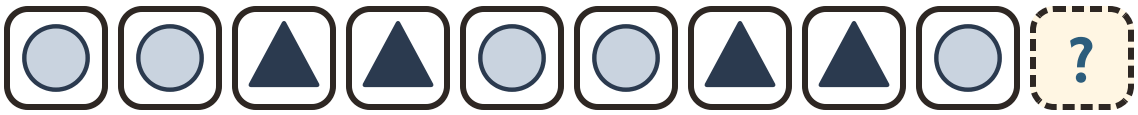
SHAPES AND WORDS

My name: _____ Date .....

What comes next? Circle it. Write its corner number.

1. Find the pattern.
2. Circle what comes next.
3. Write the corner number.

1



9  A	6  B	0  C

My number

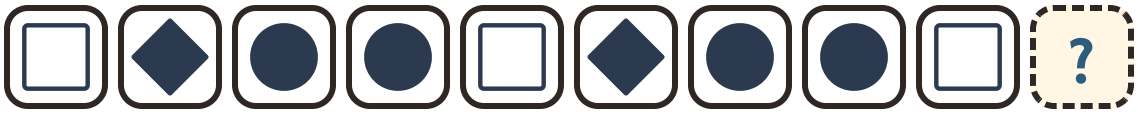
2

hat	boot	snow	coat	hat	boot	snow	coat	hat	?

1 snow A	8 hat B	5 boot C

My number

3



4  A	8  B	2  C

My number

4

boot	snow	boot	coat	boot	snow	boot	coat	boot	?

3 snow A	1 hat B	8 coat C

My number

Our four corner numbers, in order:

1 2 3 4

They make a counting pattern too!
The next number is our lock number:
Write it on the lock page too.

THE LOCK

OUR CODE

Team name: _____ Date .....

Write the number from each puzzle in its window.



1	2	3	4
The Sled Rack	The Mixed-Up Map	The Secret Note	The Mitten Line

Hints we used: ○ ○ ○ Color a circle for each hint ticket you gave your teacher.

Start time _____ **Finish time** _____ **Teacher check** _____

If the lock does not open

Look at the four numbers. Which one is your team least sure about? Go back to that puzzle and check each step.

WE ESCAPED!

The sled shed is open and the sleds are out.
Bring this page to your teacher.

TEACHER PAGE

ANSWER KEY: NOTE, PATTERNS, THE CODE

PUZZLE 3: THE SECRET NOTE, PAGES 13–15

● page 13

THE LOCK IS NINE

■ page 14

THE SHED LOCK NEEDS A NINE

▲ page 15, key backwards (Z = 1)

THE SHED LOCK NEEDS A NINE

The number word is **NINE** at every level: the third lock number is **9**.

PUZZLE 4: THE MITTEN LINE, PAGES 16–18

● page 16

1 AB → C (empty square), corner number 6
2 ABB → B (empty circle), corner number 5
3 AAB → B (empty triangle), corner number 4
4 ABC → C (gray circle), corner number 3

■ page 17

1 AABB → B (gray circle), corner number 6
2 ABCD → C (boot), corner number 5
3 ABCC → A (filled diamond), corner number 4
4 ABAC → A (snow), corner number 3

▲ page 18

1 +3 → B (18), corner number 6
2 −4 → C (20), corner number 5
3 +25 → A (150), corner number 4
4 ×2 → A (64), corner number 3

The corner numbers read **6 5 4 3** at every level; the next number is **2**, the fourth lock number. A wrong pick in any row breaks that counting pattern, so a team can check itself.

THE CODE **4** **7** **9** **2**

Puzzle 1 · 2 · 3 · 4, left to right. The secret note on the family page (page 28) decodes to **WE OPENED THE SHED**; it is not part of the code.

Hints to give (one ticket, one hint)

- **Math:** "Check one answer against the key. Is that letter in your box?" Then: "Read the letters you have out loud. What word is forming?"
- **Unscramble:** "Which letters could start the word?" Then: "Which bank word has these letters?" (no bank: "You see it at this time of year.")
- **Secret note:** "Find the first number in the key. What letter is it?" Then: "Decode the shortest word first."
- **Patterns:** "Say the row out loud. Where does it start over?" Then: "Do your four corner numbers count up or down by the same amount?"

When a code is wrong

Say how many numbers are right, never which. The team goes back to the puzzle it is least sure of. If you want to steer: the first number is puzzle 1 (The Sled Rack), the second puzzle 2 (The Mixed-Up Map), the third puzzle 3 (The Secret Note), the fourth puzzle 4 (The Mitten Line). A team stuck on one puzzle can trade it for the lower-dot page: the number is the same.

EXAMPLE TEAM PINE'S LOG

Team Pine is invented; nothing on this page describes a real class. The blank team log is on page 25.

TEAM

Team Pine (an invented team)

MEMBERS

Lena, Theo, Ravi, Joy (invented)

DATE

1/14

START TIME

9:15

FINISH TIME

9:52

PUZZLE	LEVEL GIVEN	TIME SOLVED	HINTS USED	NUMBER FOUND	INITIALS
1. The Sled Rack	■	9:23	0	4	KT
2. The Mixed-Up Map	■	9:33	1	7	KT
3. The Secret Note	●	9:41	0	9	KT
4. The Mitten Line	■	9:52	2	2	KT

MINUTES, START TO FINISH

37

HINTS USED IN ALL

3

ESCAPED? (Y / N)

Y

CODE THE TEAM WROTE

4 7 9 2

TRIES BEFORE IT OPENED

1

WHAT I SAW

Ravi led the math page; Joy caught a wrong corner number on the pattern page before the lock check.

How to read it

Team Pine started at 9:15 and put the last number on the lock page at 9:52: **37 minutes**. Hints: 0 + 1 + 0 + 2, **3 in all**, most of them on puzzle 4 (The Mitten Line). The four numbers match the code, so Escaped is Y on the first try. Every figure here is a row of the log above.

The class results row this log produces

Team Pine · ■ ■ ● ■ · ✓ ✓ ✓ ✓ · 3 hints · 37 minutes · Y · "Both hints on patterns; try two-dot patterns again next time"

The family note this log produces

"Our team solved 4 of 4 puzzles, used 3 hints and finished in 37 minutes." — the three blanks on the family note (page 28), each one a line of the log above.

THANK YOU **BEFORE YOU GO**

THANK YOU FOR USING THIS RESOURCE

Built for the teacher who wants a room full of children talking, checking each other's work and cheering when a lock opens. If this helped, leaving feedback on TPT helps other teachers find it.

Something missing or wrong?

Please use the **Ask a Question** tab on the product page first — every question is read, and a fix to the file is a free update you re-download from **My Purchases**.

WHAT'S NEXT FROM THIS STORE

More winter reading and math pages.



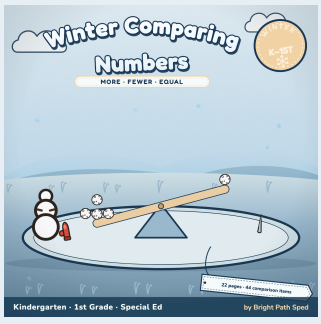
Winter Dictionary Guide Words Worksheets | 2nd Grade

Use guide words to find words in winter-themed lists.



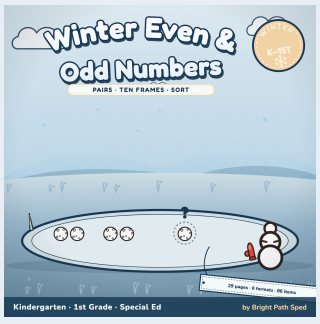
Winter Multiple Meaning Words Worksheets | 2nd Grade Draw and Write

Pick the meaning that fits and draw it.



Winter Comparing Numbers Worksheets | Greater Than, Less Than, Equal To

Compare numbers with winter pictures.



Winter Even and Odd Numbers Worksheets | Ten Frames, Sort, Cut and Glue, K-1st

Sort even and odd numbers with ten frames.

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