

Museum Midnight Map

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The birthday team has arrived, but one important part of the celebration is missing. Return five imaginary exhibits to their places before the party. Collect five named badge digits, then use the final sheet to finish your mission. All the clues you need are printed here. Work together and ask for a hint whenever you want.

1. Print one player pack and two prop sheets per team. Keep all host and hint pages with an adult.
2. Put clue pages 1-5 at the table. Place the final sheet face down until the five badges are collected.
3. Share pencils and choose a reader, recorder and path finder. Swap jobs after each clue.

Players: 4; teams: 1. Print one player and prop set per team. Invitations and certificates: 4 each.

No locks, purchases or cutting required. Keep all clues at a low table. Scissors are optional and for adults only.

Museum Midnight Map

HOST ONLY - solution guide

1. Label: 7

Locate the single KITE occurrence. The next cell contains the badge digit; other letters are filler.

2. Frame: 4

Align each position in strip A with the same position in strip B. Count every unequal pair once.

3. Gallery: 1

Move exactly one orthogonal square per arrow; copy only the value at the endpoint.

4. Exhibit: 2

Only one card has striped=yes and round=no.

5. Ticket: 3

Reflection pairs column 1 with 4 and column 2 with 3. Add the marked left cell and its reflected right cell.

6. Final: 43172

grid-placement: Frame > Ticket > Gallery > Label > Exhibit. Keep leading zeroes.

Museum Midnight Map

HOST ONLY - timeline and paper check

3 minutes: Read the opening story and explain the badges.

5 minutes: Solve Label; offer one hint at a time.

5 minutes: Solve Frame; offer one hint at a time.

5 minutes: Solve Gallery; offer one hint at a time.

5 minutes: Solve Exhibit; offer one hint at a time.

5 minutes: Solve Ticket; offer one hint at a time.

5 minutes: Combine the badges on the final sheet.

2 minutes: Read the ending and award certificates.

Paper completion: check each badge against the solution guide, then check the final code. No device is required.

Mission complete! Museum Midnight Map is ready for its birthday celebration. Thank your team for sharing ideas and helping one another.

Duration and ages are estimates. Adjust pace and offer help for your group.

Museum Midnight Map

Player clue 1: Label | Team 1

Welcome, birthday explorers! Return five imaginary exhibits to their places before the party. Find five badge numbers. Use them on the last page. You can help each other and ask me for hints.

Find KITE reading left to right only. Copy the digit immediately AFTER the word.

Find KITE; only read to the RIGHT.

X	X	X	X	X	X	X	X
K	I	T	E	7	X	X	X
X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X

Answer = digit in the next square after the word.

Label badge: _____

Museum Midnight Map

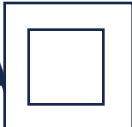
Player clue 2: Frame | Team 1

Compare the two strips position by position. How many positions have different shapes? Count positions, not shapes.

Start after badges: Label.

Compare matching numbered positions.

A

















1

2

3

4

5

6

7

8

B

















1

2

3

4

5

6

7

8

Do not count title, labels, or boxes as differences.

Frame badge: _____

Museum Midnight Map

Player clue 3: Gallery | Team 1

Start at S. Follow each arrow by one square in the listed order. Record the number on your final square.

Start after badges: Label.

S: 2	3	4	5
6	7	8	9
0	1	2	3

right > right > down > left > down

One arrow = one square. S = start.

Gallery badge: _____

Museum Midnight Map

Player clue 4: Exhibit | Team 1

Choose the card that matches BOTH required properties. Copy its digit.

Start after badges: Frame.

Rule: striped = yes

Rule: round = no

Exhibit A - digit 2

striped: yes / round: no

Exhibit B - digit 3

striped: no / round: no

Exhibit C - digit 5

striped: yes / round: yes

Exhibit badge: _____

Museum Midnight Map

Player clue 5: Ticket | Team 1

Imagine folding the right half onto the left along the dashed line. At the starred square, add the two numbers that meet. No cutting or folding is needed.

Start after badges: Frame.

2	1	2	4
* 2	0	3	1

Fold RIGHT half onto LEFT. * marks the target.

Paper-only alternative: pair 1 with 4 and 2 with 3.

Ticket badge: _____

Museum Midnight Map

Player clue 6: Final | Team 1

Place each badge digit in its named slot. Follow the printed reading order and join the five digits.

A1: Label ?	B1: Frame ?	C1: Gallery ?
D1: Exhibit ?	E1: Ticket ?	

READ SLOTS IN THIS ORDER:

B1 > E1 > C1 > A1 > D1

Final badge: _____

Need help? Ask your host for one hint at a time.

Museum Midnight Map

Hint cards - level 1 (spoilers; keep with host)

1. Label

Read rows from left to right; look for K.

2. Frame

Compare the first square in A with the first square in B.

3. Gallery

Start at the top-left S square.

4. Exhibit

A card must satisfy both rules.

5. Ticket

The middle dashed line is the fold.

6. Final

Keep the five badge results visible. Every number has a badge name.

Museum Midnight Map

Hint cards - level 2 (spoilers; keep with host)

1. Label

Do not search diagonally or backwards.

2. Frame

Mark a pair only if its shapes differ.

3. Gallery

One arrow means one square, even if the next square looks interesting.

4. Exhibit

Cross out any card that fails one condition.

5. Ticket

The outside right square meets the outside left square.

6. Final

Use the order, slots, route or matching columns printed on this page.

Museum Midnight Map

Hint cards - level 3 (spoilers; keep with host)

1. Label

Once the whole word matches, read the very next cell.

2. Frame

Count the marks, not the total number of printed shapes.

3. Gallery

Trace each move with a pencil and mark the final square.

4. Exhibit

Check the remaining card against both properties before copying its digit.

5. Ticket

Find the mirror partner of the marked square and add their two printed values.

6. Final

Start with the Frame badge, then follow the printed rule.

Museum Midnight Map

Team 1 badge record (no cutting needed)

Write a digit beside each badge as you solve its clue.

Label: _____

Frame: _____

Gallery: _____

Exhibit: _____

Ticket: _____

Reader: reads the clue. Recorder: writes the digit. Path finder: traces routes. Swap roles every clue.

Museum Midnight Map

Team 1 paper unlock card

Our five badges are ready. We used the final sheet to find this code:

Host: compare this with your solution guide. When it matches, read the ending and celebrate.

No physical lock or prize is required. You may draw a celebration star on this card.

Museum Midnight Map

You're invited to a birthday mystery!

Join Birthday Explorer for Museum Midnight Map.

Return five imaginary exhibits to their places before the party.

Date: _____

Time: _____

Place: _____

Bring your curiosity. Paper and pencils are provided. Work together, share ideas and solve six clues.

Designed for ages 8-10. Estimated 35-45 minutes.

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Museum Midnight Map

Birthday Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Museum Midnight Map with curiosity,
teamwork and kindness.

Mission complete! Museum Midnight Map is ready for its birthday
celebration. Thank your team for sharing ideas and helping one
another.

Date: _____

Host signature: _____

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