

Cupcake Constellation

Player clue 1: Stars | Team 1

Welcome, birthday explorers! Arrange paper cupcake stars to finish the birthday constellation. Find five badge numbers. Use them on the last page. You can help each other and ask me for hints.

Decode every symbol, including repeats. Use the printed conversion table to turn the completed word into one digit.



triangle = E



square = I



circle = G



star = H



diamond = T



triangle



square



circle



star



diamond

EIGHT = 8

ZERO = 0

Stars badge: _____

Cupcake Constellation

Player clue 2: Orbit | Team 1

Find the complete word STAR, reading to the RIGHT only. Close matches are decoys. Copy the digit immediately after the exact word.

Find STAR; only read to the RIGHT.

S	T	A	Y	7	S	U	N
A	S	T	A	R	4	A	B
T	S	A	R	8	M	A	P
M	O	O	N	9	E	N	D

Answer = digit in the next square after the word.

Orbit badge: _____

Cupcake Constellation

Player clue 3: Ribbon | Team 1

Find the ONE card matching all three requirements. Cross out cards that fail any requirement. Record its digit.

Rule: striped = yes

Rule: round = no

Rule: tagged = yes

Card A - digit 8

striped: no / round: no / tagged: yes

Card B - digit 6

striped: yes / round: no / tagged: yes

Card C - digit 2

striped: yes / round: yes / tagged: yes

Ribbon badge: _____

Cupcake Constellation

Player clue 4: Steps | Team 1

Start at S. Follow the full move list one square at a time, including backtracking.
Copy ONLY the endpoint digit.

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

right > down > right > up > left > down > right > down

One arrow = one square. S = start.

Steps badge: _____

Cupcake Constellation

Player clue 5: Tray | Team 1

All parcels have the same whole-number weight. Use the first rule to find ONE parcel, then check it against the second rule.

$$3 \text{ parcels} + 2 \text{ loose units} = 17 \text{ units}$$



$$2 \text{ parcels} + 5 \text{ loose units} = 15 \text{ units}$$

One parcel = ? units. Whole numbers 1-9.

All parcels have equal weight.

Tray badge: _____

Cupcake Constellation

Player clue 6: Final | Team 1

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

A2: Stars ?	B2: Orbit ?	C2: Ribbon ?
D2: Steps ?	E2: Tray ?	

READ SLOTS IN THIS ORDER:

B2 > E2 > C2 > A2 > D2

Final badge: _____

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