

Cupcake Constellation

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The space kitchen has lost the constellation layout code. Decode the star label, match the tray keepers and check the supply record before reading the star slots. Collect five named badge digits and use the final sheet. Every clue is on the table; ask the host for one hint at a time.

1. Print one player pack and two record sheets per team. Keep the host answers and all three hint levels with the adult.
2. Keep every clue as a full sheet at one table. Put the final sheet face down until all five results are recorded. Nothing needs cutting, folding or hiding.
3. Give each child a pencil. Choose a reader, recorder and checker, and swap jobs after each clue. Use one team for 2-4 children or two teams for 5-6.

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

Paper and pencils are enough. Keep whole sheets at one table; nothing needs cutting, folding or hiding.

Cupcake Constellation

HOST ONLY - solution guide

1. Stars: 3

The decoded word is STAR; its row gives 3.

2. Keeper: 6

Luna has Tray; Neve has Tag; Pax has Chart. Luna's item gives 6.

3. Stock: 9

Known stock: $8 + 2 - 3 = 7$. Closing stock 16 minus 7 gives the missing return 9. Cancelled +7 never arrived.

4. Orbit: 3

A3, B1, C2, D3 reads STAR. The conversion table gives 3.

5. Tray: 6

Remove 1 from 25; share 24 among 4 parcels to get 6. Check $2 \times 6 + 3 = 15$.

6. Final: 96336

C3 > E3 > A3 > D3 > B3

Cupcake Constellation

HOST ONLY - timeline and paper check

3 minutes: Read the story, show the badge record and choose roles.

4 minutes: Solve Stars. Offer one hint level at a time if wanted.

6 minutes: Solve Keeper. Offer one hint level at a time if wanted.

5 minutes: Solve Stock. Offer one hint level at a time if wanted.

5 minutes: Solve Orbit. Offer one hint level at a time if wanted.

5 minutes: Solve Tray. Offer one hint level at a time if wanted.

5 minutes: Use the five results on the final sheet.

2 minutes: Read the ending and thank each teammate.

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

The restored layout code completes the paper cupcake constellation. Thank your team for checking the evidence together. Confirmed final control code: 96336.

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