

Lunar Cargo Manifest

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

The cargo desk has a corrected stock ledger and out-of-order unloading steps. Match the crew to their containers, then place the five checks in the manifest 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.

Lunar Cargo Manifest

HOST ONLY - solution guide

1. Stock: 5

Known stock: $10 + 4 - 1 = 13$. Closing stock 18 minus 13 gives the missing return 5. Cancelled +7 never arrived.

2. Crew: 8

Ali has Seeds; Ren has Tools; Bo has Food. Bo's item gives 8.

3. Unload: 6

The only order is Scan cargo > Weigh crate > Open dock > Unload box. Position 3 carries 6.

4. Mass: 5

Remove 4 from 19; share 15 among 3 parcels to get 5. Check $2 \times 5 + 3 = 13$.

5. Slot: 8

C3, D1, A3, B1 reads DOCK. The conversion table gives 8.

6. Final: 88655

E2 > B2 > C2 > A2 > D2

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HOST ONLY - timeline and paper check

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

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

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

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

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

5 minutes: Solve Slot. 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 cargo manifest is repaired. The moon base can release its paper supplies. Thank your team for checking the evidence together. Confirmed final control code: 88655.

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