

Pocket Detective Club

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. Find the badge box that was placed on the wrong shelf. 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 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.

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

Pocket Detective Club

HOST ONLY - solution guide

1. Print: 3

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

2. Witness: 3

A fails striped; C fails not-round; only B meets all three requirements and gives 3.

3. Route: 9

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

4. Badges: 7

Count each triangle once; ignore the other shapes.

5. Weight: 6

Subtract 2 from 20, divide by 3 to get 6. Check $2 \times 6 + 5 = 17$.

6. Final: 01527

candidate-elimination: Compare all five clue digits against each row; only Parcel A matches.. Keep leading zeroes.

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HOST ONLY - timeline and paper check

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

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

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

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

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

5 minutes: Solve Weight; 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! Pocket Detective Club 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.