

Toy Workshop Delivery

HOST ONLY - preparation and story

Includes answers. Keep these pages with an adult.

Three inventors left different labels at the workshop desk. Reconstruct who made each part, check the dispatch log and select the parcel that matches all five checks. 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.

Toy Workshop Delivery

HOST ONLY - solution guide

1. Maker: 1

Ada has Lever; Ben has Spring; Cy has Wheel. Ben's item gives 1.

2. Stock: 2

Known stock: $10 + 5 - 2 = 13$. Closing stock 15 minus 13 gives the missing return 2. Cancelled +7 never arrived.

3. Labels: 5

Different positions are 1, 3, 4, 6, 8. There are 5 differences.

4. Weight: 8

Remove 4 from 28; share 24 among 3 parcels to get 8. Check $2 \times 8 + 3 = 19$.

5. Dispatch: 6

The only order is Test parts > Fit gears > Seal parcel > Send parcel. Position 3 carries 6.

6. Final: 0717

Only Record B matches all five columns. Copy its printed code 0717.

Toy Workshop Delivery

HOST ONLY - timeline and paper check

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

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

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

3 minutes: Solve Labels. Offer one hint level at a time if wanted.

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

5 minutes: Solve Dispatch. 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 parcel is matched to its inventor. The workshop can start its next build. Thank your team for checking the evidence together. Confirmed: Record B, code 0717.

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

Toy Workshop Delivery

Player clue 1: Maker | Team 1

Three inventors left different labels at the workshop desk. Reconstruct who made each part, check the dispatch log and select the parcel that matches all five checks. Find five badge digits, then use the final sheet. Help each other and ask for hints.

Maker desk: Each person has ONE different item. Use all four NOT rules. Find Ben's item and copy its digit.

Wheel digit 8	Spring digit 1	Lever digit 4
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People: Ada, Ben, Cy

Ada does NOT have Spring.

Ben does NOT have Lever.

Ben does NOT have Wheel.

Cy does NOT have Lever.

Find Ben's item. Each item is used once.

Maker badge: _____

Toy Workshop Delivery

Player clue 2: Stock | Team 1

Stock desk: A return entry lost its amount. Use the opening and closing stock to find the missing return. Apply DONE entries; ignore the CANCELLED plan.

Opening stock: 10. Closing stock: 15.

Received: +5 DONE

Planned: +7 CANCELLED

Issued: -2 DONE

Returned: ? DONE

Missing return = ? units. Ignore cancelled plans.

Stock badge: _____

Toy Workshop Delivery

Player clue 3: Labels | Team 1

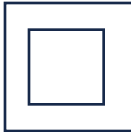
Labels desk: Compare the two records at matching numbered positions. Count different pairs once each; ignore box outlines.

Compare matching numbered positions.

A

















1

2

3

4

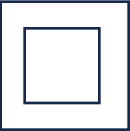
5

6

7

8

B

















1

2

3

4

5

6

7

8

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

Labels badge: _____

Toy Workshop Delivery

Player clue 4: Weight | Team 1

Weight desk: Every parcel has the same whole-number weight. Remove loose units, find ONE parcel and check the second rule.

3 parcels + 4 loose units = 28 units



2 parcels + 3 loose units = 19 units

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

All parcels have equal weight.

Weight badge: _____

Toy Workshop Delivery

Player clue 5: Dispatch | Team 1

Dispatch desk: Combine every BEFORE rule to order the four actions. Write positions on the whole-sheet cards. Read position 3.

Fit gears [4]

Send parcel [8]

Seal parcel [6]

Test parts [2]

Test parts BEFORE Seal parcel

Fit gears BEFORE Send parcel

Seal parcel BEFORE Send parcel

Test parts BEFORE Fit gears

Fit gears BEFORE Seal parcel

Read position 3 (positions start at 1).

Dispatch badge: _____

Toy Workshop Delivery

Player clue 6: Final | Team 1

Compare each record with ALL five badge results. Find the one record matching every column. Copy its complete code, including the first zero.

C1=Maker / C2=Stock / C3=Labels

C4=Weight / C5=Dispatch

Record A: 0707

C1=2 C2=2 C3=5 C4=8 C5=6

Record B: 0717

C1=1 C2=2 C3=5 C4=8 C5=6

Record C: 0727

C1=1 C2=3 C3=5 C4=8 C5=6

Record D: 0737

C1=1 C2=2 C3=6 C4=8 C5=6

Record E: 0747

C1=1 C2=2 C3=5 C4=9 C5=6

Record F: 0757

C1=1 C2=2 C3=5 C4=8 C5=7

Final badge: _____

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

Toy Workshop Delivery

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

1. Maker

No item can belong to two people. Cross out each forbidden pairing.

2. Stock

The missing amount is a return into stock. The cancelled delivery never happened.

3. Labels

Compare position 1 with position 1, not with a nearby matching shape.

4. Weight

Loose units are not parcels. Every parcel has equal weight.

5. Dispatch

The printed cards are deliberately out of order.

6. Final

Keep all five named badge results beside this sheet.

Toy Workshop Delivery

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

1. Maker

Ben cannot have two items, so Ben must have Spring.

2. Stock

Start with 10. Apply +5 then -2. Ignore the cancelled +7.

3. Labels

Position 1 is one difference: hexagon in A, square in B. Mark it once.

4. Weight

Remove 4 loose units from 28. That leaves 24 for the equal parcels.

5. Dispatch

Test parts must come first. Work out which action comes directly after it.

6. Final

Use C1=Maker, C2=Stock, C3=Labels, C4=Weight, C5=Dispatch.

Toy Workshop Delivery

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

1. Maker

Cross Spring off for the other two people. Apply the last NOT rule, then find Ben's item.

2. Stock

The known entries leave 13. How much must return to reach the closing stock of 15?

3. Labels

Compare the remaining numbered pairs one by one. Add one mark for each unequal pair, then count all your marks.

4. Weight

Share 24 equally among 3 parcels. Substitute one parcel's weight into the second rule.

5. Dispatch

The first two actions are Test parts, then Fit gears. Finish the chain and read position 3.

6. Final

Each wrong record differs in just one column. Cross out all five wrong records, then copy the complete remaining code.

Toy Workshop Delivery

Team 1 badge record (no cutting needed)

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

Maker: _____

Stock: _____

Labels: _____

Weight: _____

Dispatch: _____

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

Toy Workshop Delivery

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.

Toy Workshop Delivery

You're invited to a birthday mystery!

Join Birthday Explorer for Toy Workshop Delivery.

Send the right toy-workshop parcel to its waiting inventor.

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 30-45 minutes.

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Toy Workshop Delivery

Birthday Mystery Explorer

Presented to Birthday Explorer

Team member: _____

For completing Toy Workshop Delivery with curiosity,
teamwork and kindness.

The parcel is matched to its inventor. The workshop can start its next
build. Thank your team for checking the evidence together. Confirmed:
Record B, code 0717.

Date: _____

Host signature: _____

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