

Toy Workshop Delivery

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. Choose the right parcel for the toy workshop celebration. 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 prop sheets per team. Keep all host and hint pages with an adult.
2. Put clue pages 1-5 at the table. Place the final sheet face down until the five badges are collected.
3. Share pencils and choose a reader, recorder and path finder. Swap jobs after each clue.

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.

Toy Workshop Delivery

HOST ONLY - solution guide

1. Scale: 2

Subtract 1 from 7, then divide by 3. Check the result in the balance rule.

2. Steps: 2

The rules form one chain: Wrap the gift > Write the label > Carry the gift > Deliver the gift. Read card 4.

3. Labels: 4

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

4. Parcel: 5

Only one card has craters=yes and tail=no.

5. Shelf: 8

Locate the single GIFT occurrence. The next cell contains the badge digit; other letters are filler.

6. Final: 0827

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

Toy Workshop Delivery

HOST ONLY - timeline and paper check

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

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

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

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

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

5 minutes: Solve Shelf; 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! Toy Workshop Delivery 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.

Toy Workshop Delivery

Player clue 1: Scale | Team 1

Welcome, birthday explorers! Choose the right parcel for the toy workshop celebration. Find five badge numbers. Use them on the last page. You can help each other and ask me for hints.

Every parcel weighs the same whole number from 1 to 9. Use the balance rule to find the weight of ONE parcel.

3 parcels + 1 loose units = 7 units



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

All parcels have equal weight.

Scale badge: _____

Toy Workshop Delivery

Player clue 2: Steps | Team 1

Use the BEFORE rules to put the four cards in order. Take the number on card 4.

Carry the gift [0]	Wrap the gift [5]
Deliver the gift [2]	Write the label [7]

- Wrap the gift BEFORE Write the label
- Write the label BEFORE Carry the gift
- Carry the gift BEFORE Deliver the gift

Read position 4 (positions start at 1).

Steps badge: _____

Toy Workshop Delivery

Player clue 3: Labels | Team 1

Compare the two strips position by position. How many positions have different shapes? Count positions, not shapes.

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: Parcel | Team 1

Choose the card that matches BOTH required properties. Copy its digit.

Rule: craters = yes

Rule: tail = no

Parcel A - digit 5

craters: yes / tail: no

Parcel B - digit 0

craters: no / tail: no

Parcel C - digit 2

craters: yes / tail: yes

Parcel badge: _____

Toy Workshop Delivery

Player clue 5: Shelf | Team 1

Find GIFT reading left to right only. Copy the digit immediately AFTER the word.

Find GIFT; only read to the RIGHT.

X	X	X	X	X	X	X	X
X	G	I	F	T	8	X	X
X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X

Answer = digit in the next square after the word.

Shelf badge: _____

Toy Workshop Delivery

Player clue 6: Final | Team 1

Use your five badge digits to compare every clue column. Choose the single card matching ALL five digits, then enter its printed code.

C1=Scale / C2=Steps / C3=Labels / C4=Parcel / C5=Shelf

Parcel A: code 0827

C1=2 / C2=2 / C3=4 / C4=5 / C5=8

Parcel B: code 8183

C1=2 / C2=3 / C3=4 / C4=5 / C5=8

Parcel C: code 8549

C1=2 / C2=2 / C3=4 / C4=7 / C5=8

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. Scale

All parcels have the same weight.

2. Steps

Use the written rules rather than the printed card order.

3. Labels

Compare the first square in A with the first square in B.

4. Parcel

A card must satisfy both rules.

5. Shelf

Read rows from left to right; look for G.

6. Final

Keep the five badge results visible. Every number has a badge name.

Toy Workshop Delivery

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

1. Scale

Remove the loose weight from the total first.

2. Steps

Find the card that has no earlier card.

3. Labels

Mark a pair only if its shapes differ.

4. Parcel

Cross out any card that fails one condition.

5. Shelf

Do not search diagonally or backwards.

6. Final

Use the order, slots, route or matching columns printed on this page.

Toy Workshop Delivery

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

1. Scale

Share the remaining weight equally among the parcels.

2. Steps

Place each card immediately after its predecessor; count positions from one.

3. Labels

Count the marks, not the total number of printed shapes.

4. Parcel

Check the remaining card against both properties before copying its digit.

5. Shelf

Once the whole word matches, read the very next cell.

6. Final

Compare all five columns, not just the first. Copy the code of the remaining card.

Toy Workshop Delivery

Team 1 badge record (no cutting needed)

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

Scale: _____

Steps: _____

Labels: _____

Parcel: _____

Shelf: _____

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.

Choose the right parcel for the toy workshop celebration.

Date: _____

Time: _____

Place: _____

Bring your curiosity. Paper and pencils are provided. Work together, share ideas and solve six clues.

Designed for ages 7-9. Estimated 35-45 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.

Mission complete! Toy Workshop Delivery is ready for its birthday
celebration. Thank your team for sharing ideas and helping one
another.

Date: _____

Host signature: _____

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