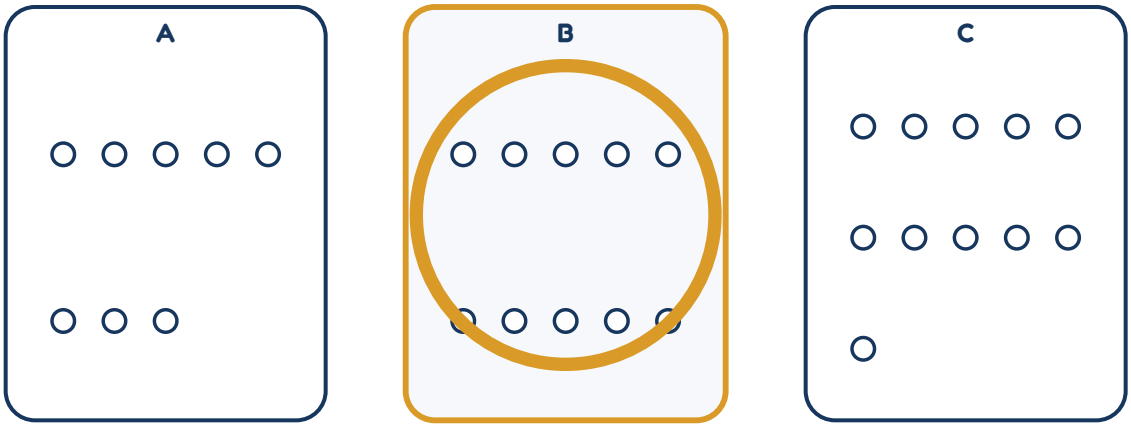
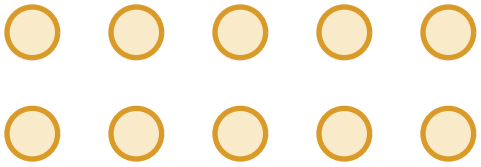
For Grown-Ups: Answers & Little Hints

Page 1 · Find a Full Ten · Ages 5–7

Use Answer for automatic checking. Pen marks and handwriting are for your own explanation; the editor does not read them as numbers.





any 10



1 loose

B = 10 A = 8 C = 11

Solved model for Questions 1 and 2



For Grown-Ups: Answers & Little Hints

Page 1 · Find a Full Ten · Ages 5–7

Correct answers and little hints

1 **Which tray holds exactly ten? Mark one tray.**

Answer: Tray B has 10; A has 8 and C has 11.

Why: The middle tray has two rows of five; 8 and 11 do not make a complete ten-group.

Little hint: Count every counter in each tray once. Check whether any tray has one row of five and another row of five.

2 **These eleven counters need one ten-pack. Choose ten to pack. How many stay loose?**

Answer: Any 10 of the 11 counters may form the pack; 1 stays loose. There are 11 valid choices.

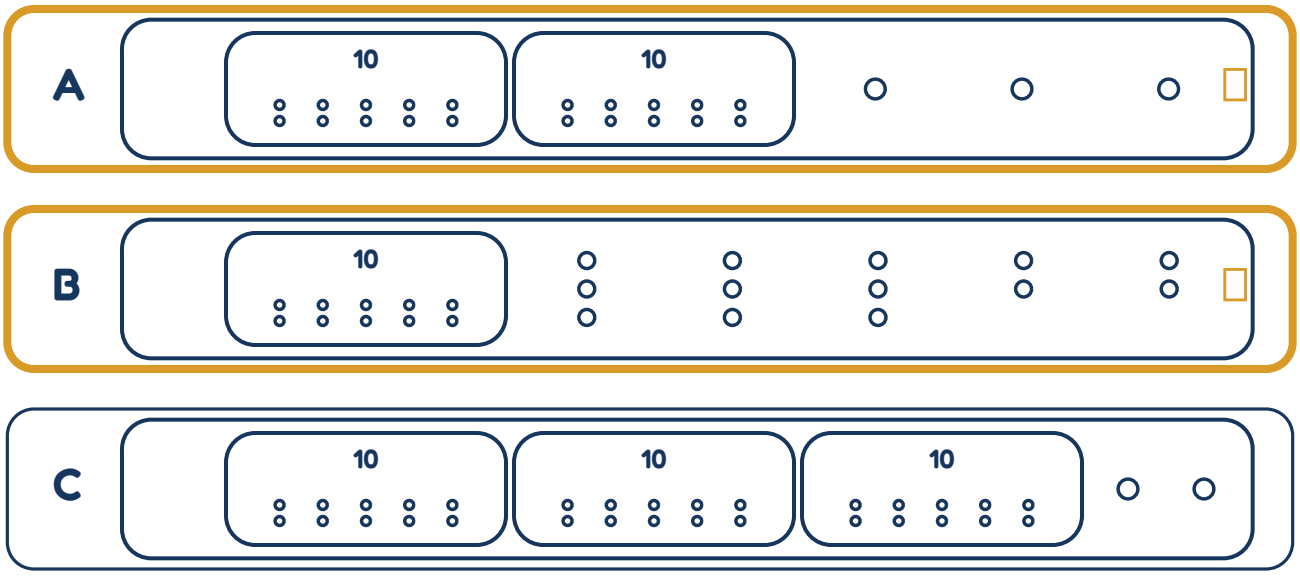
Why: Open answers accept every listed valid construction; decoration and color are not scored.

Little hint: Leave one counter outside your pack. Which counter stays outside does not matter.

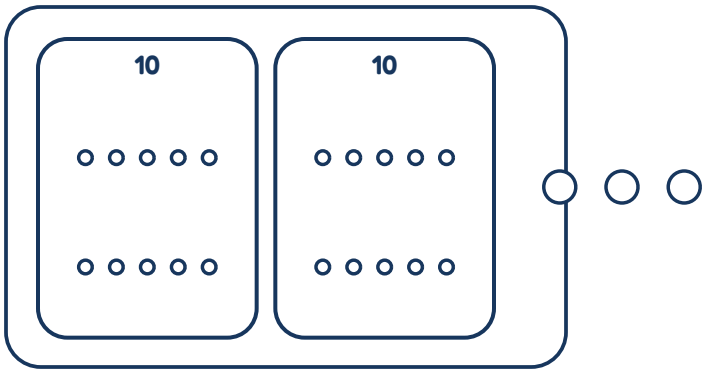
For Grown-Ups: Answers & Little Hints

Page 2 · Different Packs, Same Amount · Ages 5–7

Use Answer for automatic checking. Pen marks and handwriting are for your own explanation; the editor does not read them as numbers.



A: 23 B: 23 C: 32



2 tens + 3 ones

Solved model for Questions 1 and 2



For Grown-Ups: Answers & Little Hints

Correct answers and little hints

1 **Find both deliveries with twenty-three counters.**

Answer: A and B both represent 23; C represents 32.
Why: Equal amounts can use different groupings, but the requested packed form needs complete tens.
Little hint: Count the ten-packs first, then count the loose counters.

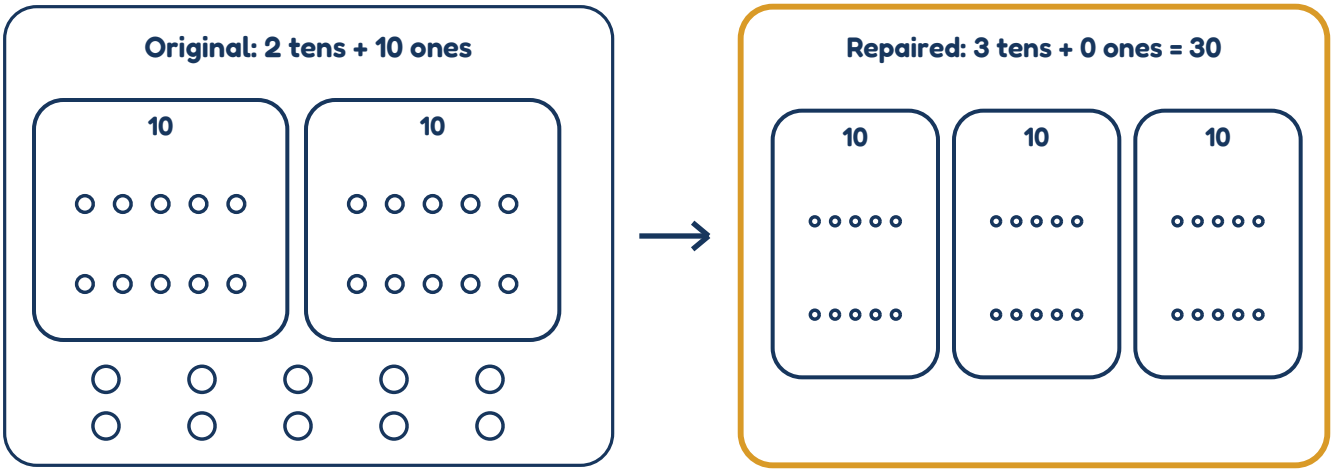
2 **Repack one ten and thirteen ones. Draw or build the packed delivery. Write the tens and ones.**

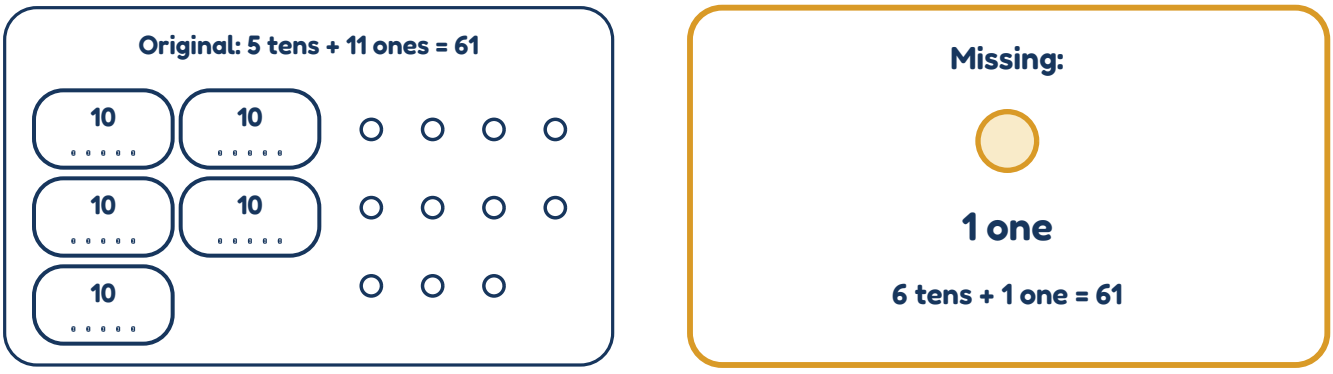
Answer: 2 tens and 3 ones. One ten and thirteen ones still represents 23, but the requested full packing is unfinished.
Why: Open answers accept every listed valid construction; decoration and color are not scored.
Little hint: Make complete ten-packs before counting what stays loose.

For Grown-Ups: Answers & Little Hints

Page 3 · Repair the Packing Label · Ages 5–7

Use Answer for automatic checking. Pen marks and handwriting are for your own explanation; the editor does not read them as numbers.





Solved model for Questions 1 and 2



For Grown-Ups: Answers & Little Hints

Correct answers and little hints

1 **The original has two tens and ten ones. The label shows two tens and one one. Repair the label with fully packed tens.**

Answer: 3 tens and 0 ones, total 30. The proposed label represents 21.
Why: A repaired label must preserve the original counters and show every complete ten.
Little hint: Keep the original amount. Pack every complete group before repairing the label.

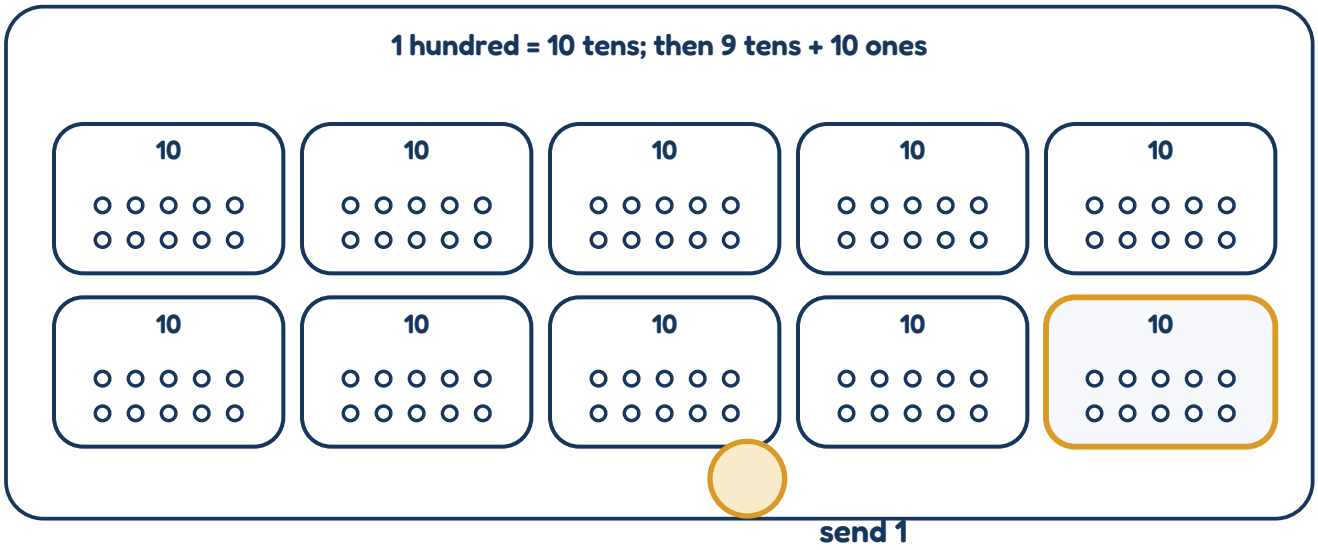
2 **The original has five tens and eleven ones. A new label shows six tens. What did the label leave out?**

Answer: 1 one was omitted: 6 tens and 1 one, total 61. A ten is not missing.
Why: Open answers accept every listed valid construction; decoration and color are not scored.
Little hint: Compare the original with six tens and find the item that is still outside.

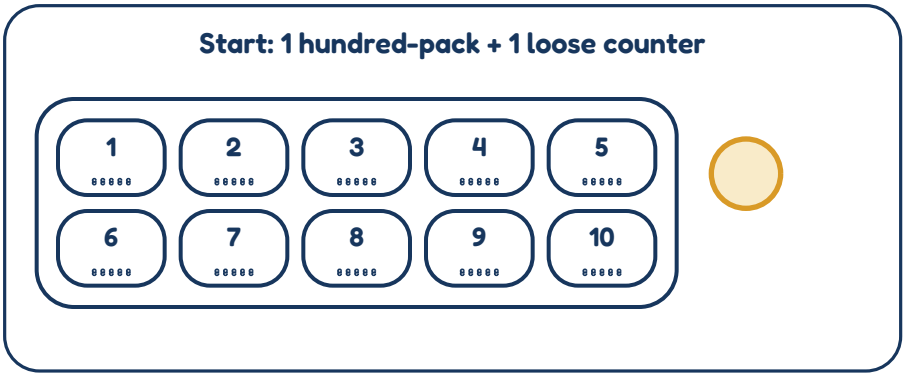
For Grown-Ups: Answers & Little Hints

Page 4 · Send Just One · Ages 5–7

Use Answer for automatic checking. Pen marks and handwriting are for your own explanation; the editor does not read them as numbers.



9 tens + 9 ones = 99



Send the loose counter.

Nothing is opened.

100 remain.

Solved model for Questions 1 and 2



For Grown-Ups: Answers & Little Hints

Correct answers and little hints

1 **Start with one hundred-pack. Send one counter. Show the tens and ones left.**

Answer: Open one hundred into 10 tens, then one ten into 10 ones. Send 1 one. 9 tens and 9 ones remain: 99.
Why: Send the easiest reachable counter and check that the original one hundred is accounted for.
Little hint: Open the hundred first. Then make one loose counter available.

2 **Now start with one hundred-pack and one loose counter. Which item can you send without opening a pack? How many remain?**

Answer: Send the loose counter. The hundred-pack remains closed; 100 remain.
Why: Open answers accept every listed valid construction; decoration and color are not scored.
Little hint: Look for a counter that is already loose before opening anything.