

Luna's Space Adventure

Grade 3 · Strip diagrams · 3.5A

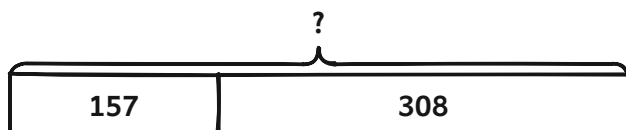
Name _____

Date _____

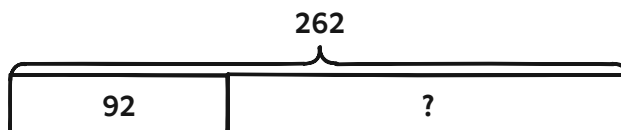


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Find the missing number The parts together make the whole on top.



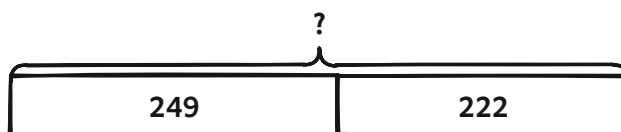
$$? = \square$$



$$? = \square$$

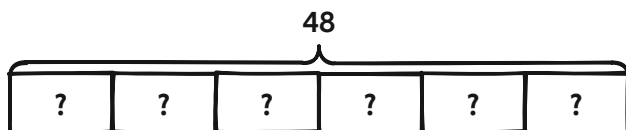


$$? = \square$$

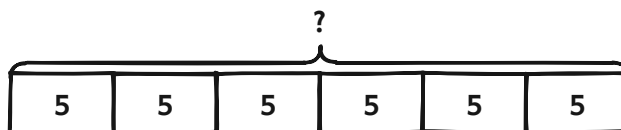


$$? = \square$$

Equal parts Every part is the same size. Multiply or divide.

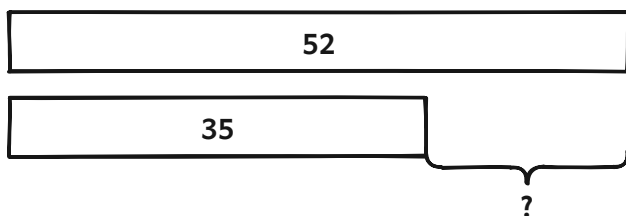


$$? = \square$$

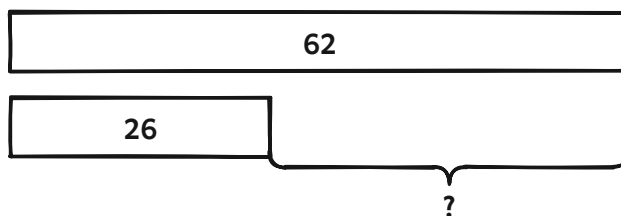


$$? = \square$$

How many more? The gap between the bars is the difference.



$$? = \square$$



$$? = \square$$



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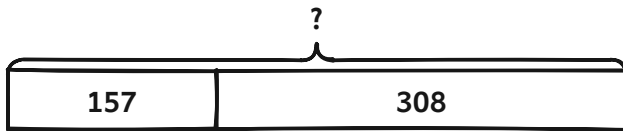
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ANSWER KEY

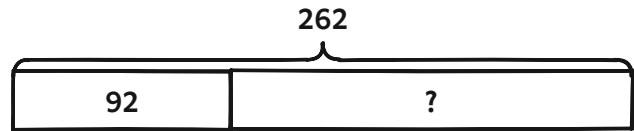


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

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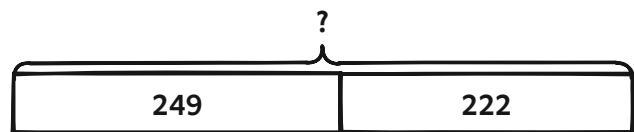
$$? = 465$$



$$? = 170$$

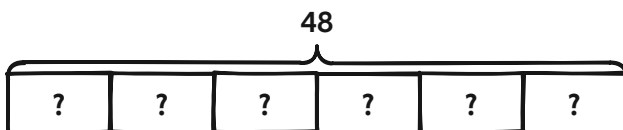


$$? = 383$$

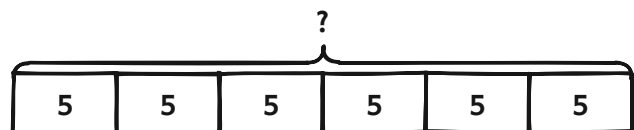


$$? = 471$$

Equal parts Every part is the same size. Multiply or divide.

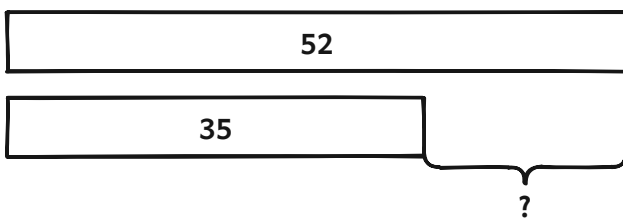


$$? = 8$$

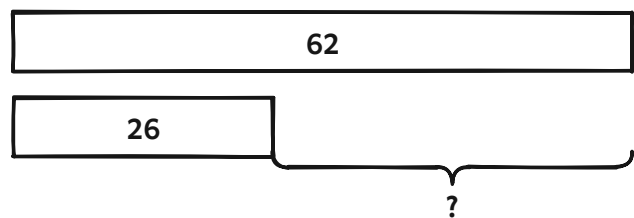


$$? = 30$$

How many more? The gap between the bars is the difference.



$$? = 17$$



$$? = 36$$



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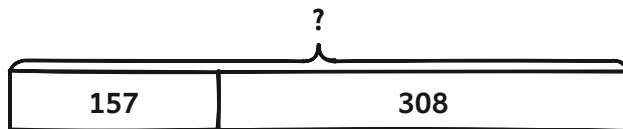
GUIDE

1 What this sheet practises

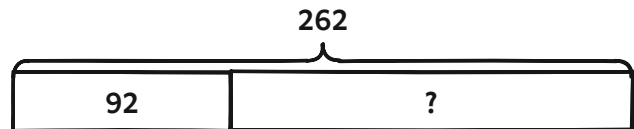
Reading strip diagrams to find a missing part, a whole, an equal share, or a difference, with numbers to 1,000.

2 A problem from the sheet, worked out

Find the missing number The parts together make the whole on top.



$$? = 465$$



$$? = 170$$

How: The parts side by side make the whole on top: add parts to find the whole, subtract to find a part. Equal parts mean multiply or divide. Two bars show a difference: subtract.

3 Words to know

strip diagram a bar split into parts to show a problem

part one piece of the whole

whole all the parts together

difference how much more one is than another

4 Watch for

- Adding the whole and a part to find the other part.
- Counting the parts instead of finding each one's size.
- Adding the two bars in a compare diagram instead of subtracting.

5 Where it fits

BEFORE

2.OA.A.1

Solve one- and two-step adding and subtracting story problems within 100.

THIS SHEET

3.5A

Show one- and two-step adding and subtracting problems to 1,000 with pictures, number lines, equations.

NEXT

4.OA.A.3

Solve multi-step story problems, including ones with remainders.

6 Helping at home

Draw a bar for a real problem, like money saved and still needed for a toy, and label the parts.

