

CHAPTER
4

Using Bar Models: Addition and Subtraction



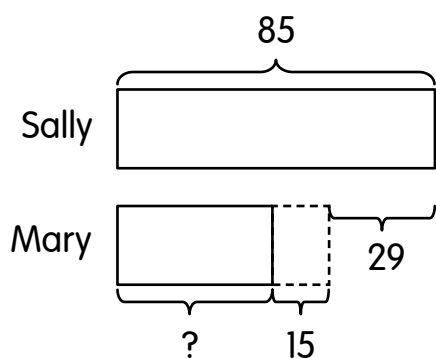
PROBLEM SOLVING

Strategies

Solve.

Use the bar models to help you.

- Sally has 85 stamps.
 Mary has 29 stamps less than Sally.
 Mary gives away 15 stamps.
 How many stamps does Mary have in the end?

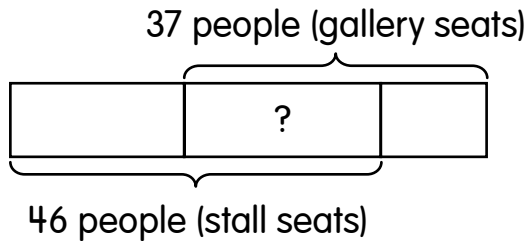


Mary has _____ stamps in the end.

Name: _____

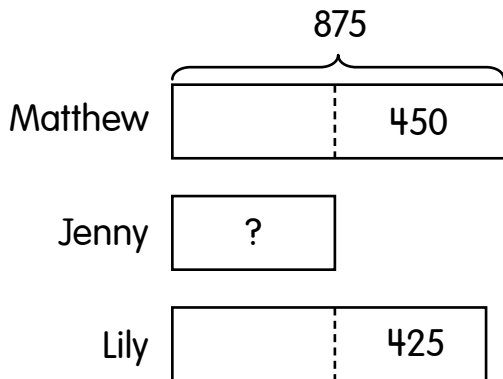
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2. 59 people buy tickets to a show.
46 of them buy tickets to stall seats.
37 of them buy tickets to gallery seats.
How many people buy tickets for both stall seats and gallery seats?



_____ people buy tickets for both stall seats and gallery seats.

3. At a fundraiser, Matthew sells 450 more pencils than Jenny.
Lily sells 425 more pencils than Jenny.
Matthew sells 875 pencils.
How many pencils does Lily sell?

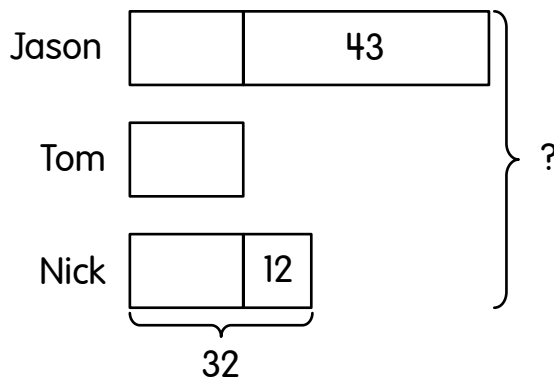


Lily sells _____ pencils.

Name: _____

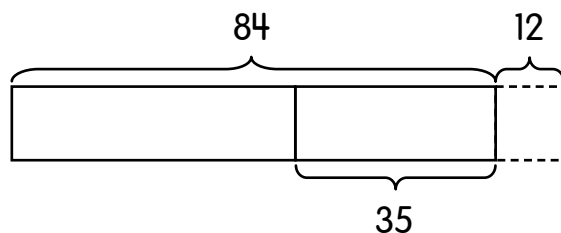
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4. For a charity drive, Jason collects 43 more toys than Tom.
Tom collects 12 fewer toys than Nick.
Nick collects 32 toys.
How many toys do the three children collect in all?



They collect _____ toys in all.

5. Chelsea has some strawberries.
She throws 12 rotten strawberries away.
She buys another 35 strawberries.
She now has 84 strawberries.
How many strawberries did Chelsea have at first?

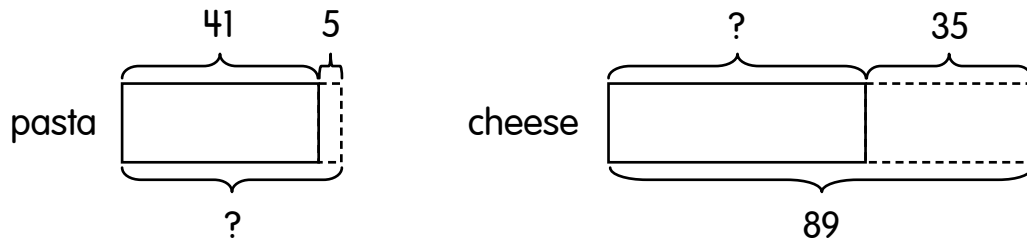


Chelsea had _____ strawberries at first.

Name: _____

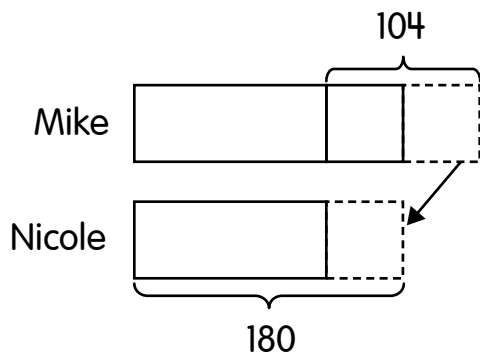
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6. Adrian has some packets of pasta and cheese. He exchanges 5 packets of pasta for 35 packets of cheese. He now has 41 packets of pasta and 89 packets of cheese. How many packets of pasta and cheese did Adrian have at first?



Adrian had _____ packets of pasta and cheese at first.

7. Mike has 104 more stamps than Nicole. He gives some stamps to Nicole. They now have the same number of stamps. Nicole now has 180 stamps. How many stamps did Mike have at first?



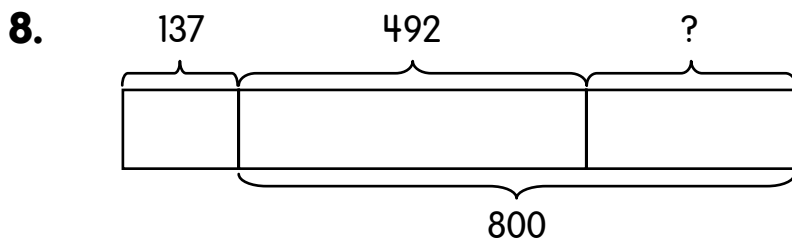
Mike had _____ stamps at first.

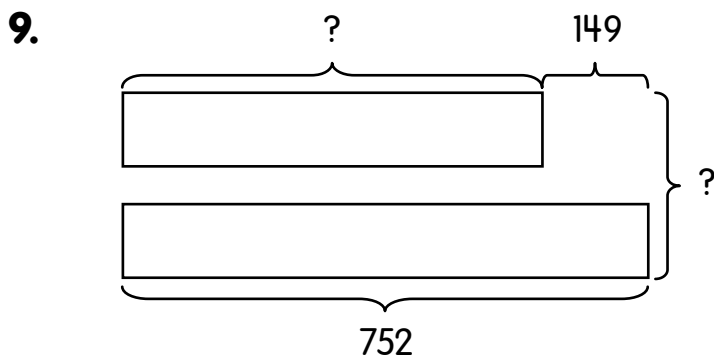


PROBLEM SOLVING

Exploration

Write a real-world problem for each bar model.



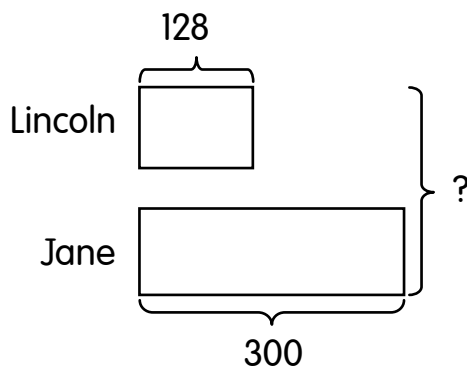




Journal Writing

**Correct the mistakes in the bar model.
Then solve.**

- 10.** Lincoln sells 128 more raffle tickets than Jane.
Jane sells 300 tickets.
How many tickets do they sell in all?



They sell _____ tickets in all.

Name: _____

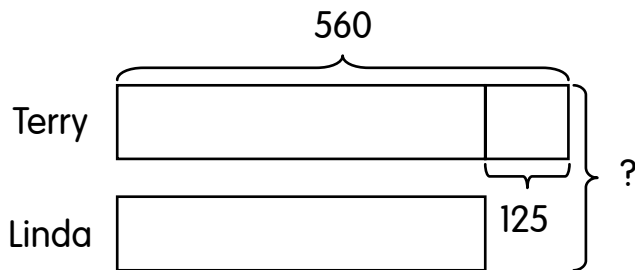
Date: _____

Solve.

Show your work.

Use the bar model to help you.

11. Terry has 560 books.
Linda has 125 fewer books than Terry.
How many books do they have in all?



They have _____ books in all.