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Patterning and Algebra
Unit 2 Line Master 2a

## Working on It Answers

For example:

## Part A

- $7 n$ or $7 \times n$
- $\frac{n}{8}$ or $n \div 8$
- $n-3$
- $n+6$
- $n \div 2+9$ or $\frac{n}{2}+9$
- $20-2 n$
- $(n-5) \times 2$ or $2(n-5)$


## Part B

- $20 \div r=5$
- $19+s=34$
- $20=5 z$
- $20+a=36$
- Josie went to the dollar store to buy some craft sticks for art class. She needs 40 sticks and they come in packages of 8 . How many packages should Josie buy?
- At the school's Spring Clean Up Day, 72 volunteers showed up. The principal arranged them onto 9 teams.
How many volunteers are on each team?
- There is an 89-step staircase at the hiking trail. Edam climbed 23 steps. How many more steps does Edam need to take to reach the top?
- Ali counted 52 crackers left in the box. His siblings ate 37 crackers yesterday. How many crackers were there in the box to start with?
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## Working on It Answers (cont'd)

## Part C

- Square: $s=3$; Perimeter $=3+3+3+3=12$ units, Area $=3 \times 3=9$ square units
- Rectangle: $I=2, w=6$; Perimeter $=2 \times 2+2 \times 6=16$ units, Area $=2 \times 6=12$ square units
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## Accommodation

## For example:

## Part A

- $7 n$ or $7 \times n$
- $\frac{n}{8}$ or $n \div 8$
- $n-3$
- $n+6$


## Part B

- $10=3+n$
- $12 \div r=4$
- I gave 15 pencils to my 3 friends.

I gave each friend the same number of pencils.
How many pencils did I give to each friend?

- $6+a=14$


## Part C

- Square: $s=3$; Perimeter $=3+3+3+3=12$ units, Area $=3 \times 3=9$ square units

