Name	Date

Patterning and Algebra Unit 2 Line Master 2a

Working on It Answers

For example:

Part A

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

Part B

- $20 \div r = 5$
- 19 + s = 34
- 20 = 5z
- 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?

Name	Date
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Patterning and Algebra
Unit 2 Line Master 2b

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

Name Date

Patterning and Algebra
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Working on It Answers (cont'd)

Accommodation

For example:

Part A

- $7n \text{ or } 7 \times n$
- $\frac{n}{8}$ 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