

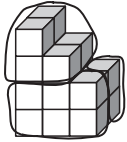


ANSWER KEY

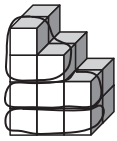
Number Corner Student Book (cont.)

page 89, Thinking about Volume (cont.)

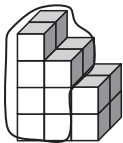
2 d $3 \times 6 = 18 \text{ cm}^3$



e $2 \times (3 + 3 + 3) = 18 \text{ cm}^3$



f $14 + 4 = 18 \text{ cm}^3$



page 92, January Problems Set 3, Problem 1

- 1 a Responses will vary.
- b Responses will vary.
- c Responses will vary.
- d Strategies will vary. Example:

<u>Damien</u>	<u>LaToya</u>
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13	4
14	5
15	6
16	7
17	8
18	9

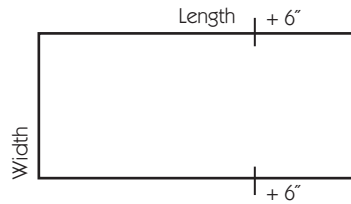
- e Damien will be 18 when he is twice as old as LaToya.

page 93, January Problems Set 3, Problem 2

- 2 a Responses will vary.
- b Responses will vary.
- c Responses will vary.
- d $7 \times 9 + (6 \div 3) = 65$
 $((7 \times 9) + 6) \div 3 = 23$
 $7 \times (9 + 6) \div 3 = 35$

page 94, January Problems Set 3, Problem 3

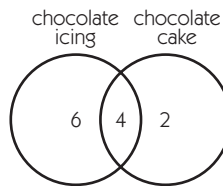
- 3 a Responses will vary.
- b Responses will vary.
- c Responses will vary.
- d Strategies will vary. Example:
Perimeter of the whole rectangle is 40". If you subtract the extra 6" from each of the lengths, that leaves 28".
 $28" \div 4 = 7"$, so the width is 7" and the length is $7" + 6"$, which equals 13".



- e The rectangle is 13 inches long and 7 inches wide.

page 95, January Problems Set 3, Problem 4

- 4 a Responses will vary.
- b Responses will vary.
- c Responses will vary.
- d Strategies will vary. Example:



- e 4 have chocolate icing and chocolate cake. I put that in the middle of my Venn diagram. Then altogether, 10 have chocolate icing, so there must be 6 cupcakes that have chocolate icing and some other kind of cake. Then 6 have chocolate cake altogether, so there must be 2 cupcakes that have chocolate cake with some other kind of icing. Altogether there are 12 cupcakes on my diagram, so there are 12 other cupcakes that have other kinds of icing and cake.
- e 12 cupcakes have neither chocolate icing nor chocolate cake.