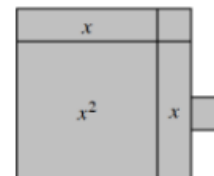


Ch 6 Homework Questions 121-124 (scroll down to see answers)

CL 6-121. On your paper, sketch the algebra-tile shape at right. Then answer parts (a) through (c) below.



- Find the perimeter of the figure.
- Find the area of the figure.
- If the algebra tiles were rearranged how would the area change?

CL 6-122. Evaluate each expression for the given variable.

- $3a - 7$ when $a = 4$
- $8 + m^3$ when $m = 2$
- $13 + (3n)$ when $n = 4$
- $\frac{x}{3} + 2$ when $x = 6$

CL 6-123. Write each percent as a fraction and a decimal.

- 30%
- 9%
- 200%

CL 6-124. Draw diagrams to calculate each of the following quotients.

- $4\frac{2}{3} \div \frac{2}{3}$
- $10 \div 2\frac{1}{2}$

CL 6-121.

- a. $P = 4x + 6$ units
- b. $A = x^2 + 2x + 2$ square units
- c. The area would not change.

CL 6-122.

- a. 5
- b. 16
- c. 25
- d. 4

CL 6-123.

- a. $\frac{3}{10} = 0.3$
- b. $\frac{9}{100} = 0.09$
- c. $\frac{200}{100} = 2 = 2.0$

CL 6-124.

