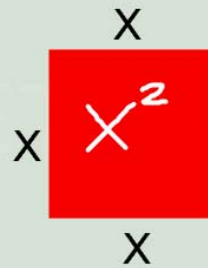


Warm-up

1. Find the average of 12, 19, and 32. 21
2. Calculate $(14-7)^2$. 49
3. If $x = 10$, evaluate $3x^2$. 300
4. Calculate $12-3^2$. 3
5. Write an expression to calculate the area of the x-tile below.

x^2



Page 1

1-4 Writing and Evaluating Expressions

Calculate

$$72 \div (18 - 12)^2 + 9 = 11$$

$$\begin{aligned} & \cancel{6 \cdot 6 = 36} = 2 + 9 \\ 72 \div 6^2 + 9 &= \\ 72 \div 36 + 9 &= \\ 2 + 9 &= 11 \end{aligned}$$

Order of Operations

Parentheses

Exponents

Multiplication and Division

Addition and Subtraction

PEMDAS

Page 2

1-4 Writing and Evaluating Expressions

Insert parentheses to make each sentence true.

a. $2 + (8 \div 4) + 6 \cdot 3 = 22$
 $2 + 2 + 18 = 22$

b. $(2 + 8) \div (4 + 6) \cdot 3 = 3$

Order of Operations

Parentheses

Exponents

Multiplication and Division

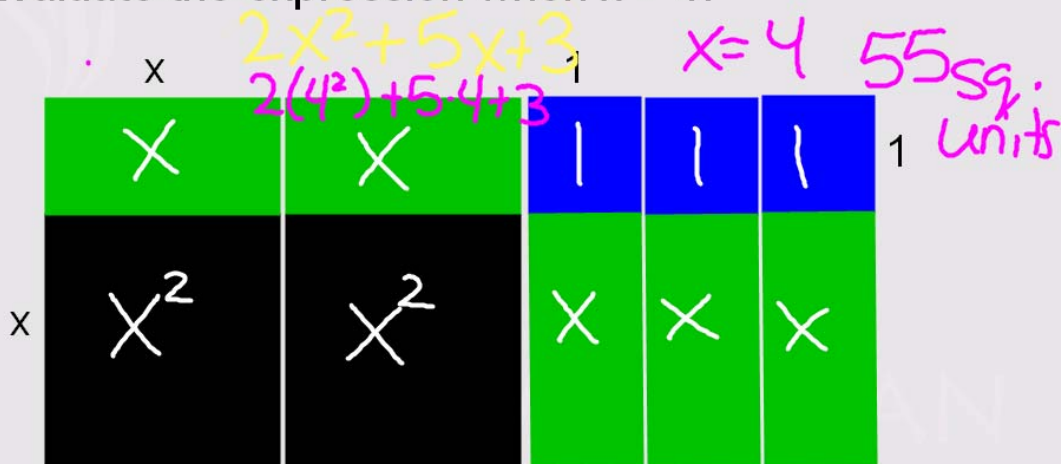
Addition and Subtraction

PEMDAS

Page 3

1-4 Writing and Evaluating Expressions

Write an expression for the area covered by the tiles.
Evaluate the expression when $x = 4$.



Page 4



1-4 Writing and Evaluating Expressions

Homework

- Read pg. 26-28
- Pg. 28 #26-29
- Practice 4 #1-29