

Homework

Activity 1

Write algebraic expressions for each of the phrases. Use any of the four operation symbols as well as $>$ and $<$ to write your expressions.

1. a number times five
2. three less than a number
3. four more than a number
4. a number greater than six
5. seven more than three times a number
6. eleven is more than a number

Activity 2

Write algebraic equations for each of the phrases. You do not need to solve the equation.

1. a number plus seven equals fourteen
2. twenty minus a number equals three times two
3. four hundred divided by a number equals negative four

Activity 3

Set the word problems up as algebraic equations and then solve.

1. Joanna earns \$8 for every hour she works at her mom's store, plus \$5 for cleaning the floors. Yesterday she made \$37 at her mom's store. How many hours did she work?
2. Blake has a CD case that holds the same number of CDs on each page. He has enough CDs to fill 6 full pages, plus put 2 more CDs on the next page. He has 62 CDs in all. How many CDs fit on a full page?
3. You can make \$2 for every program you sell at the game, plus \$5 for helping at the food stand. How many programs did you sell at the game if you made \$55?

Activity 4 • Distributed Practice

Solve.

1. $\frac{6}{5} - \frac{1}{5}$
2. $\frac{6}{5} \cdot \frac{5}{6}$
3. $4^2 \div (2^2 - 2)$
4. $3 \cdot -4 \div 2$
5. $4^2 \div 2 - 3$
6. Simplify using the distributive property: $-2(-2x + 4)$