

Objective: Students can identify the structure of an algebraic expression and equation with proper vocabulary.

Students can interpret the context of an algebraic expression and equation.

Parts of an Algebraic Sentence- Introduction

PVHS math department is doing a fundraiser to raise money for a school math trip to the hometown of Pythagoras. The school decided to donate \$250 right off the bat. Algebra students are going to sell t-shirts and teachers are going to have a carwash. If student make \$8 profit on every shirt they sell and teachers make \$5 for every car they wash.

$$8t + 5c + 250$$

What's the difference between an expression and an equation?

Equations contain an equal (=) sign

What do you call (vocab) the \$250 in the expression?

Constant

What do you call (vocab) the c in the term 5c?

Variable

What do you call (vocab) the 5 in the term 5c?

Coefficient

What does 5c stand for in context of the expression?

total dollars raised from washing cars

What does 8t stand for in context of the expression?

total dollars raised from selling t-shirts

What does $8t + 5c$ stand for in context of the expression?

total dollars made from car washes & shirts

How could you make this expression an equation (don't just say put an = sign)?

Set the expression equal to something...
like the amount of money they need to raise