

Lesson Objectives

Set A

Students will understand that

- percents involve a numerator (comparison value) and a denominator (reference value).

Students will be able to

- correctly identify the quantities involved in a verbal statement about percents.
- convert between ratios and percents.
- convert between decimal the representation of a number and a percent.
- read and use information presented in a two-way table.

Set B

Students will understand that

- proportional relationships are based on a constant ratio.
- rules for solving equations can be applied in unfamiliar situations.

Students will be able to

- set up a proportion based on a contextual situation.
- solve a proportion using algebraic methods.

Set C

Students will understand that

- linear models are appropriate when the situation has a constant increase/decrease.
- slope is the rate of change.
- the rate of change (slope) has units in context.
- different representations of a linear model can be used interchangeably.

Students will be able to

- label units on variables used in a linear model.
- make a linear model when given data or information in context.
- make a graphical representation of a linear model.
- make a table of values based on a linear relationship.
- identify and interpret the vertical intercept in context.