GRADE 6 MATH · CLASSWORK · SPECIAL ED

Multiple Independent or Dependent Variables

SCORE / 25

01 Part A · Practice

A quantity can depend on more than one variable, and one variable can affect several quantities.

EXAMPLE

Total pay: $p = rh$.

1. p changes if the rate r changes.
2. p also changes if the hours h change.
3. Independent: r and h; dependent: p.

WORDS TO KNOW

independent variable	a quantity that is chosen or changes on its own
dependent variable	a quantity that depends on others
depends on	changes because of

1 ●○○

A school sells tickets to a show. Sort into independent and dependent: number of tickets sold, money collected, seats filled.

HINT Find the one quantity that the others depend on.

2 ●○○

Leo bakes cookies in batches. Two quantities depend on the number of batches. Name the dependent variables.

HINT What changes when the number of batches changes?

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Preview - the full worksheet and its answer key are at primeworksheet.com