GRADE 6 MATH · HOMEWORK · ADVANCED

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.

1 ●○○ Nora plans a party. Sort into independent and dependent: pizzas needed, drinks needed, number of guests.

2 ●○○ Liam draws squares. Two quantities depend on the side length of a square. Name the dependent variables.

3 ●○○ Mason orders pizzas with toppings. The cost of a pizza order depends on two variables. Name the independent variables.

4 ●○○ Kai draws squares. Sort into independent and dependent: perimeter, area, side length of a square.

5 ●○○ Liam takes a taxi. The cost of a taxi ride depends on two variables. Name the independent variables.

6 ●○○ Owen draws squares. Two quantities depend on the side length of a square. Name the dependent variables.

7 ●○○ Eli takes a taxi. The cost of a taxi ride depends on two variables. Name the independent variables.

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

9 ●○○ Ava draws squares. Two quantities depend on the side length of a square. Name the dependent variables.

10 ●○○ Noah takes a taxi. Sort into independent and dependent: cost of a taxi ride, minutes waiting, miles driven.

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