

Algebra Worksheet

Word Problems

NAME _____

- Zack can shovel a large driveway in 1 hour. Daniel can shovel the same driveway in 1.5 hours. Find how long it would take them if they worked together.

Answer: _____

- It takes Stan two hours to clean the kitchen. Judy can clean the same kitchen in 1.5 hours. Find how long it would take them if they worked together.

$\subset B$	Proper Subset	Only if every element in set A is also in set B, and there exists at least one element in set B that is not in set A.	If set A = {a,b} & set B = {a,b,c,d} then $A \subset B$.
$\not\subset B$	Not Subset	Subset A does not have any matching elements of set B.	If set A = {a,b} & set B = {c,d,e,f} then $A \not\subset B$.
$\supset B$	Superset	Set A is a superset of set B if set A contains all of the elements of set B.	If set A = {d,e,f} & set B = {d,e,f} then $A \supset B$.
$\supset B$	Proper Superset	Set A is a proper superset of set B if set A contains all of the elements of set B, and there exists at least one element in set A that is not in set B.	If set A = {4,5,6} & set B = {5,6} then $A \supset B$.