

Worked Examples:



#Sets

Writing subsets

In the braces below, list all subsets of the set $\{b, c, d\}$.

Write each subset in your list in roster form. If there is more than one subset in your list, separate them with commas. If you need the empty set in your list, use the symbol $\emptyset$.

$\{ \}$

$\emptyset$ $\{b\}$ $\{c\}$ $\{d\}$ $\{b, c\}$ $\{b, d\}$ $\{c, d\}$ $\{b, c, d\}$

$n = 3$ $\in$ set

subset - any part of a set

of subsets = 2^n

$n = \#$ of elements in set

$2^3 = 8$ subsets

$\emptyset$ empty set