Basics of Sets and Relations #2

You are given two sets.

Set $\mathbf{A} = \{1,2,3,4,5,6\}$

Set $\mathbf{B} = \{2,3,4,5,6,7,8\}$

How many elements are present in $A \cap B$?

Only enter the correct integer in the answering box. Do not include any extra spaces, tabs or newlines.