

NAME: _____

A.S.18: Know the definition of conditional probability and use it to solve for probabilities in finite sample spaces

1. 060933ia, P.I. A.S.18

Some books are laid on a desk. Two are English, three are mathematics, one is French, and four are social studies. Theresa selects an English book and Isabelle then selects a social studies book. Both girls take their selections to the library to read. If Truman then selects a book at random, what is the probability that he selects an English book?

A.S.18: Know the definition of conditional probability and use it to solve for probabilities in finite sample spaces

[2] $\frac{1}{8}$ or an equivalent answer, and

appropriate work is shown.

[1] Appropriate work is shown, but one computational error is made.

or [1] Appropriate work is shown, but one conceptual error is made.

or [1] $\frac{1}{8}$ or an equivalent answer, but no work is shown.

[0] A zero response is completely incorrect, irrelevant, or incoherent or is a correct response that was obtained by an obviously

[1] incorrect procedure.
