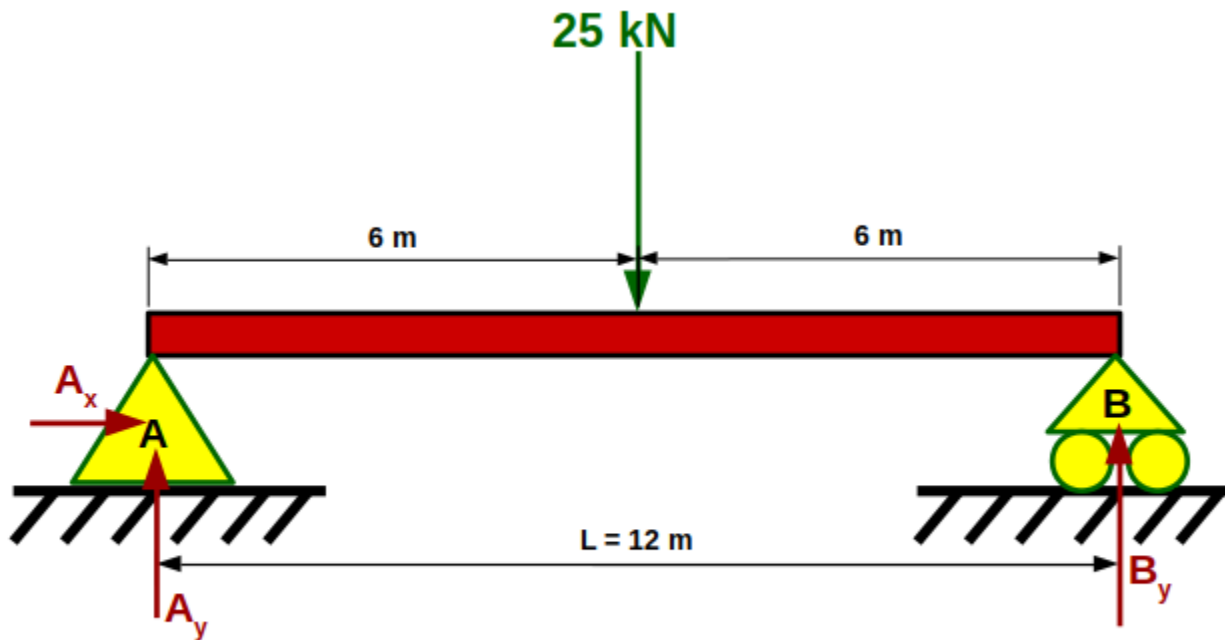This simply supported beam is supported by a pin at A, a roller at B, and has a point load at the midspan, find the reactions at A and B.

Answers (refer to solutions for detail)

$A_x = 0$
$A_y = 12.5$ kN
$B_y = 12.5$ kN