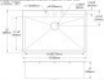


# QUESTION

1. A rectangular frame is supported by a pin support at the bottom left corner and a roller support at the bottom right corner. The frame is subjected to a uniformly distributed load of 10 kN/m acting vertically downwards on the top horizontal member. The dimensions of the frame are 4 m by 3 m. Determine the reaction forces at the supports.

2. A simply supported beam of length 6 m is subjected to a uniformly distributed load of 2 kN/m acting vertically downwards. Determine the reaction forces at the supports.

3. A beam is supported by a pin support at the left end and a roller support at the right end. The beam is subjected to a point load of 10 kN acting vertically downwards at the midpoint. Determine the reaction forces at the supports.



100%

# ANSWER