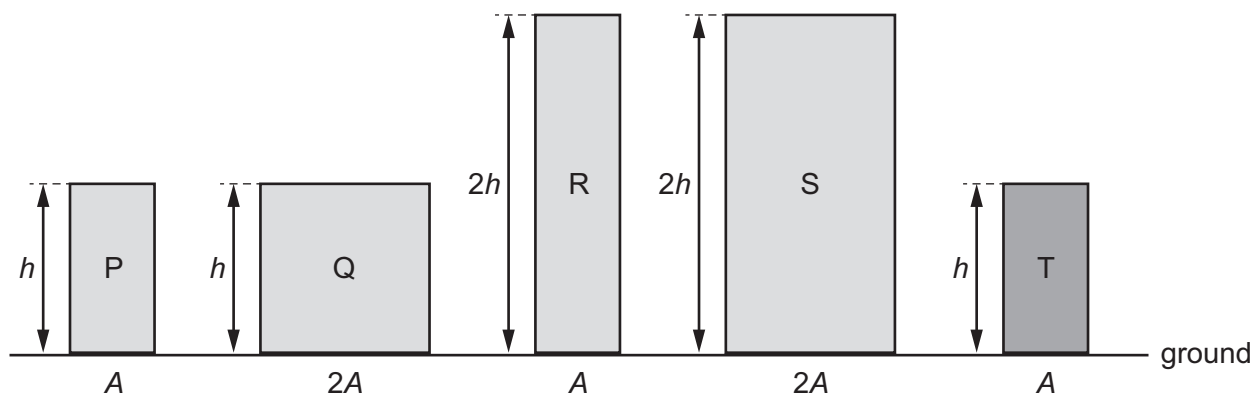


- 11 Blocks P, Q, R and S are made from material of the same density. Block T is made from a material of twice the density of the material of the other blocks.

The cross-sectional area and height of each of the blocks are shown.



Which two blocks exert the same pressure on the ground?

- A** P and T      **B** Q and R      **C** Q and S      **D** S and T

- 12 Two parallel forces, each of magnitude  $F$ , act on a rod of length  $5d$ .

Which diagram shows the positions of the two forces that will produce the largest torque on the rod?

