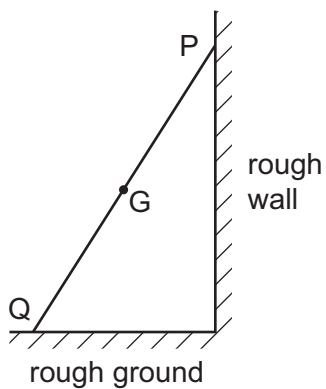


**12** A ladder rests in equilibrium on rough ground against a rough wall.



The weight  $W$  of the ladder acts through the centre of gravity  $G$ . Forces also act on the ladder at  $P$  and at  $Q$ . These forces are  $P$  and  $Q$  respectively.

Which vector triangle represents the forces on the ladder?

