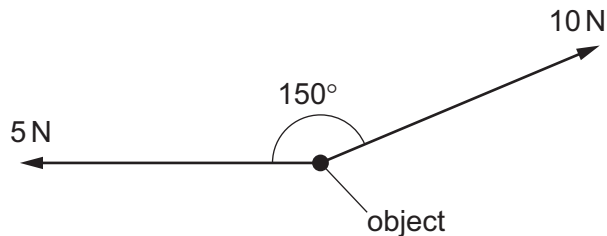


- 3** A force of 10 N and a force of 5 N act on an object.



The angle between the forces is  $150^\circ$ .

The resultant force on the object can be resolved into a pair of perpendicular components.

Which row shows numerical expressions for a possible pair of perpendicular components?

	force component / N	force component / N
<b>A</b>	$10 \cos 30^\circ - 5$	$10 \cos 30^\circ$
<b>B</b>	$10 \sin 30^\circ - 5$	$10 \cos 30^\circ$
<b>C</b>	$10 - 5 \cos 30^\circ$	$5 \sin 30^\circ$
<b>D</b>	$10 - 5 \sin 30^\circ$	$5 \cos 30^\circ$