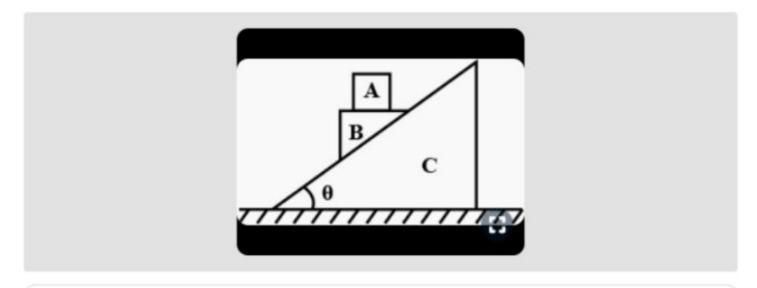
In the figure shown all blocks are of equal mass m. All surfaces are smooth. The acceleration of block A with respect to the ground is :



$$A = \frac{4g \sin \theta}{1 + 3 \sin^2 \theta}$$

$$B = \frac{4g\sin^2\theta}{1 + 3\sin^2\theta}$$

$$C \qquad \frac{4g\sin^2\theta}{(1+3\sin^2\theta)^{1/2}}$$

D None of these

applying again numbers law on (A+R) angsino = m6 - (cosa) + masino agsino + coso + besino + masino ag sino = b - coso + bsino sino ag sino = b - coso + bsino ag sino = b - coso + bsino ag sino + coso + bsino ag sino + besino + bsino ag sino + besino + bsino ag sino + coso + bsino ag sino + besino + bsino ag sino + bsino ag		applying newton's law F=ma on(bec)	b+c = acceleration of B w.x.+ ground	b = acceleration of the black B w.r.t inclined plane C = acceleration of the block C w.r.t ground oright side.	a = acceleration of the block A down words wirt	besse B C >C
	9	1	1+3sing	= = = = = = = = = = = = = = = = = = =	29 sing + b(-1 - 3 sing) =0	agsing + $b(1-sing)$ - $b(1+sing)$ agsing + b - $bsing$ + b - $bsing$ - o agsing + b - $bsing$ + b - $bsing$ - o agsing + b - b - $bsing$ - o agsing + b - o agsing + b - o agsing + b - b