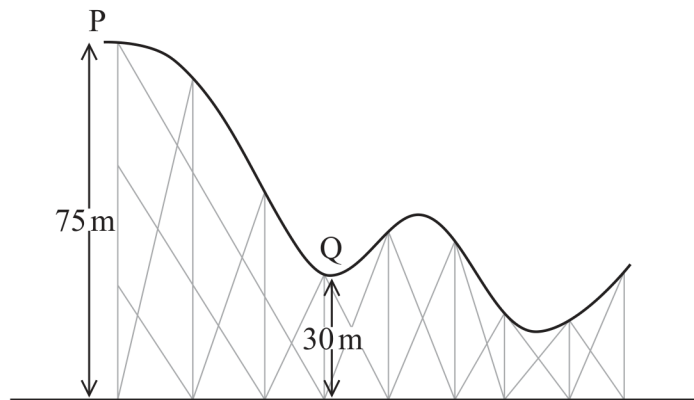**3** The diagram shows a roller coaster. A roller coaster car stops momentarily at P before descending towards Q.

Which of the following expressions could be used to determine the velocity of the roller coaster car at Q?

☒ **A** $\sqrt{75g} - \sqrt{30g}$

☒ **B** $\sqrt{150g} - \sqrt{60g}$

☒ **C** $\sqrt{45g}$

☒ **D** $\sqrt{90g}$

(Total for Question 3 = 1 mark)