

GCSE Physics B (Twenty First Century Science)
J259/01 Breadth in Physics (Foundation Tier)

Question Set 26

1 Jamal is on a water slide.

(a) Fig. 1.1 shows the force of gravity (weight) acting on Jamal.

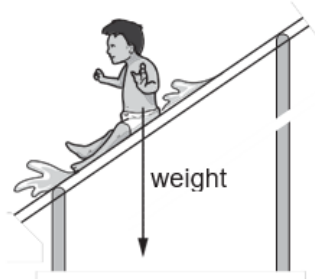


Fig. 1.1

- (i) **Add an arrow** to Fig. 1.1 to show the normal contact force between Jamal and the slide. Label this arrow **N**. [1]
- (ii) **Add an arrow** to Fig. 1.1 to show the force of friction between Jamal and the slide. Label this arrow **F**. [1]
- (b) (i) State Newton's third law. [2]
- (ii) Explain how Newton's third law applies to the force of gravity (weight) acting on Jamal. [1]

Total Marks for Question Set 26: 5

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