



Oxford Cambridge and RSA

GCSE Physics B (Twenty First Century Science)
J259/03 Depth in physics (Higher Tier)

Question Set 15

1 Jamal is on a water slide.

(a) Fig. 2.1 shows the force of gravity (weight) acting on Jamal.

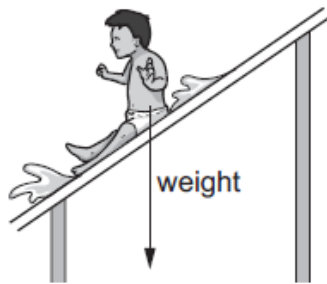


Fig. 2.1

(i) Add an arrow to Fig 2.1 to show the normal contact force between Jamal and the slide. Label this arrow **N**. [1]

(ii) Add an arrow to Fig. 2.1 to show the force of friction between Jamal and the slide. Label this arrow **F**. [1]

(b) (i) State Newton's third law.

(ii) Explain how Newton's third law applies to the force of gravity (weight) acting on Jamal. [2]

[1]

Total Marks for Question Set 15: 5

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