

3 The drawing shows a plastic toy which can stand on its feet.

3 (a) (i) Draw an **X** on the diagram so that the centre of the **X** marks the likely position of the centre of mass of the toy.



(1 mark)

3 (a) (ii) Explain the reason for your choice in part (a)(i).

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(1 mark)

3 (b) Suggest **two** ways in which the design of the toy could be altered to make the toy more stable.

1

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2

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(2 marks)

4

