YOU & MATHS **Is it a function?** Consider the rule «subtract 6 from the input and divide by 3» defined in the set of integers. Which of the following statements are true?

a. The rule is a function because each input gives exactly one output.

b. The rule is not a function because the input 12 has two images: 2 and -2.

c. The rule is not a function because the input 4 has output $-\dfrac{2}{3}$.

d. The rule is a function because each input gives a positive output.

Only statement **c** is true. $-\dfrac{2}{3}$ is not an integer, so the input 4 has no output in the set of integers.