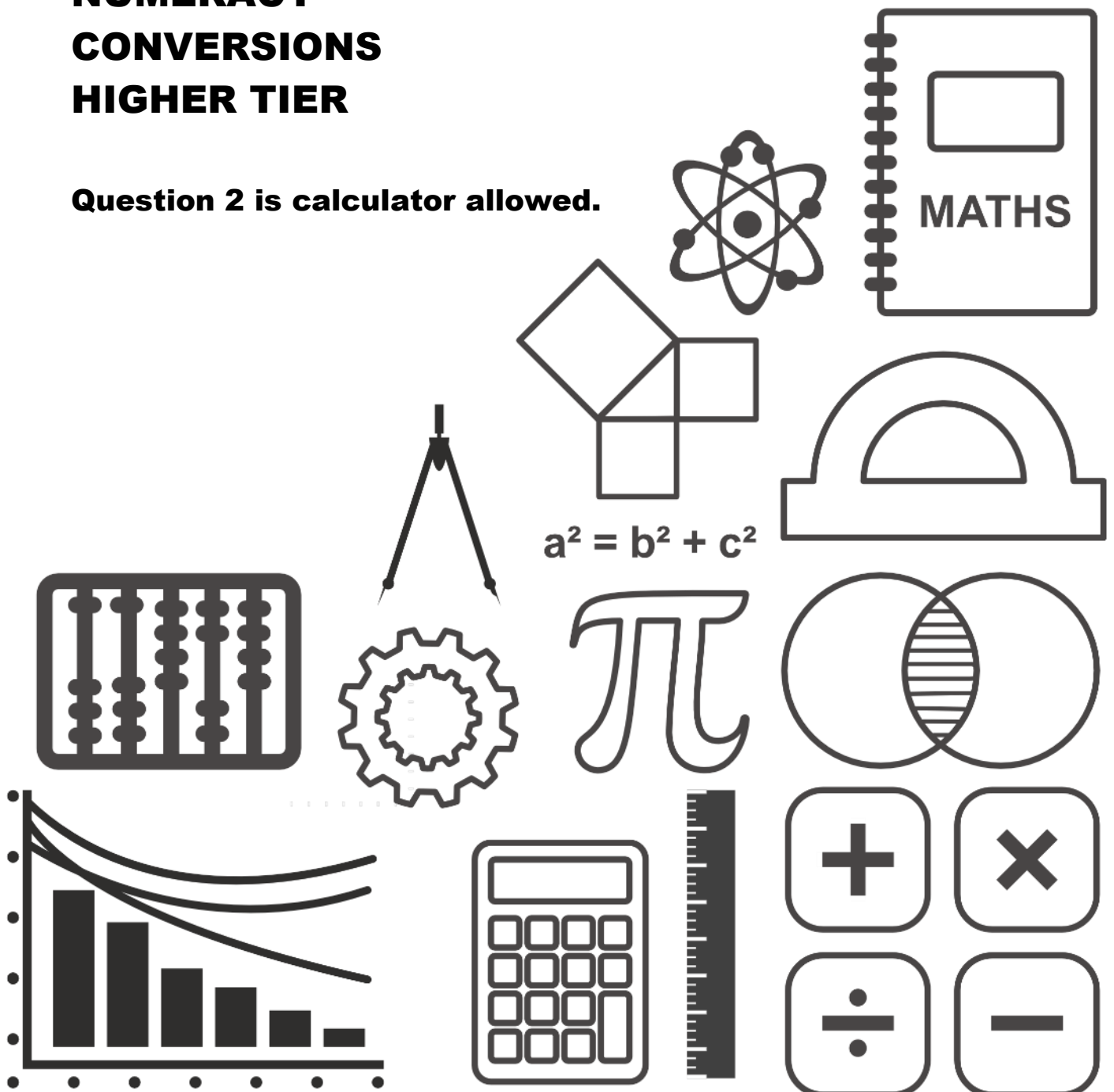


MATHSDIY

GCSE TOPIC BOOKLET NUMERACY CONVERSIONS HIGHER TIER

Question 2 is calculator allowed.



1. Siân usually finds cycling at a velocity of 18 km/h very comfortable.
Express 18 km/h in metres per second. [2]

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2. Gwen fills a 10-litre bucket with water from a tap.

When the tap is fully open, water flows out at 2 litres per second.

- (i) Express 2 litres per second in **gallons per minute**.
You must show all your working. [3]

Remember
1 gallon = 8 pints

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- (ii) Can a fully open tap fill a 90-gallon tank in under $3\frac{1}{2}$ minutes?
You must show all your working. [2]

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