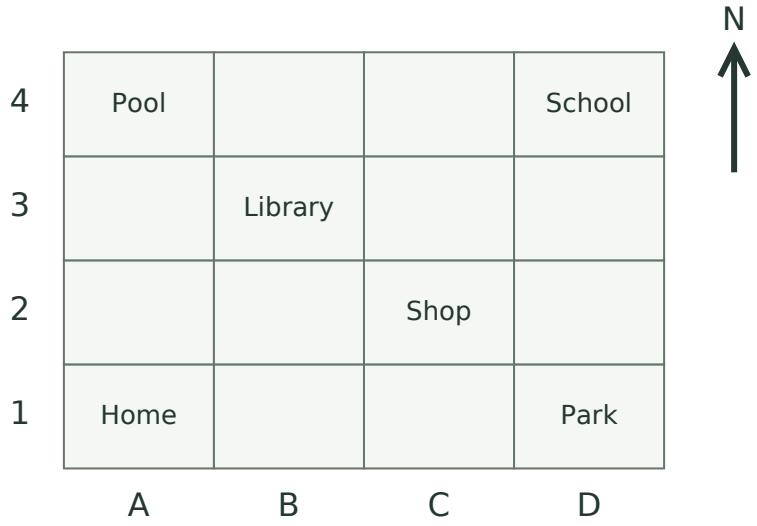
Maps and grid references - topic test

12 questions | 18 marks | 30 minutes

Begin with familiar ideas, then explain and apply your understanding. Show your working.

Equivalent correct methods earn the corresponding marks.

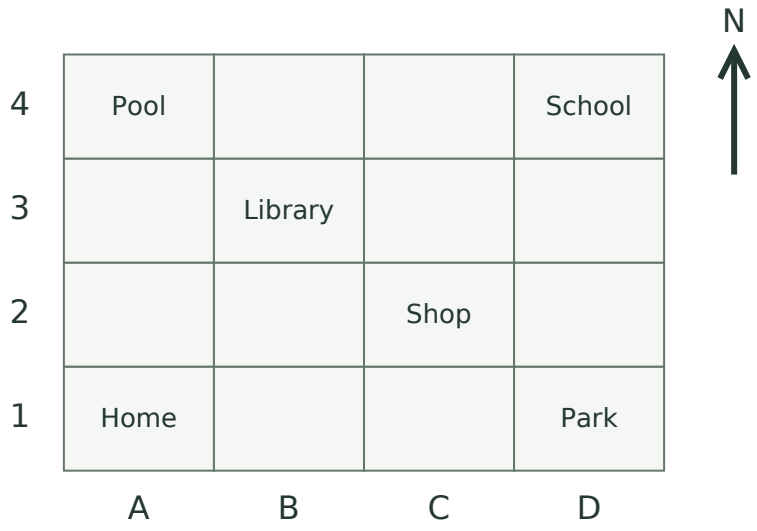
1. Using the supplied map, give the reference of Home. [1 mark]



Home is in column A, row 1.

Answer: A1.

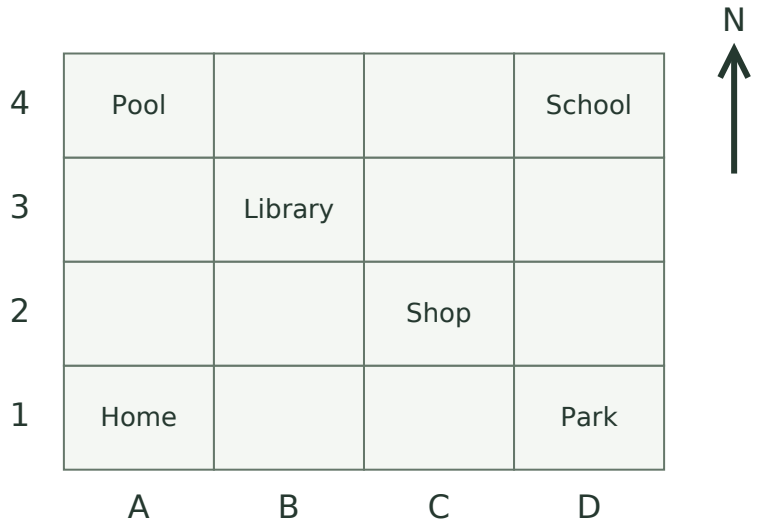
2. Using the supplied map, give the reference of Library. [1 mark]



Library is in column B, row 3.

Answer: B3.

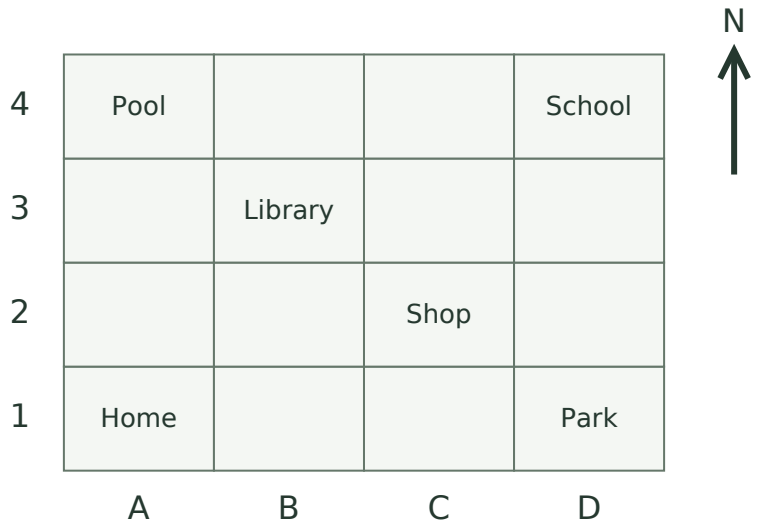
3. Name the place in D4 on the supplied map. [1 mark]



Find column D and row 4.

Answer: School.

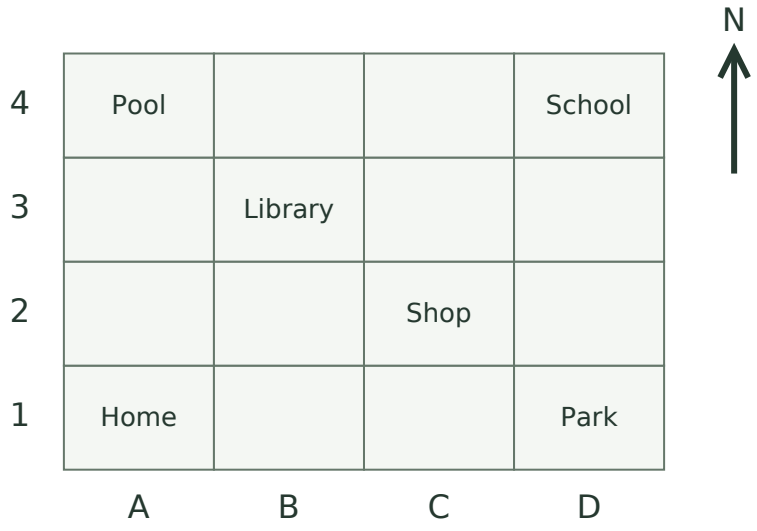
4. Name the place in A4 on the supplied map. [1 mark]



Find column A and row 4.

Answer: Pool.

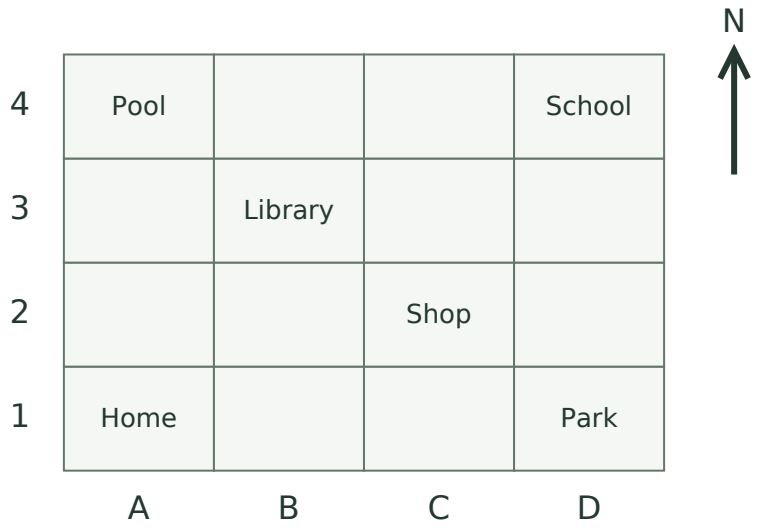
5. Which two named places share column D on the map? [1 mark]



They are in D1 and D4.

Answer: Park and School.

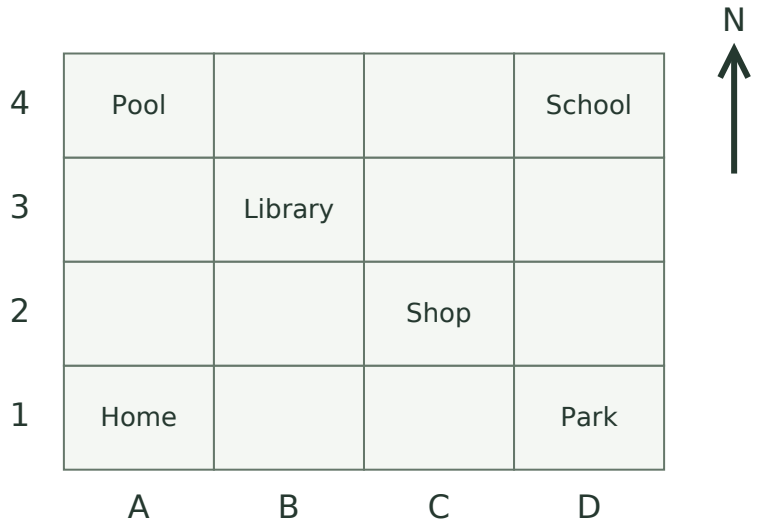
6. What direction is Park from Home on the north-up map? [1 mark]



They share row 1 and Park is to the right.

Answer: East.

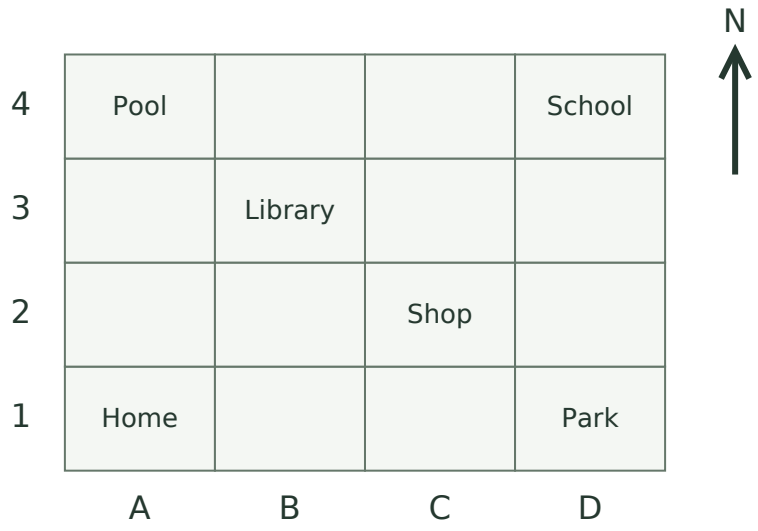
7. What direction is Home from Pool on the north-up map? [1 mark]



They share column A and Home is below Pool.

Answer: South.

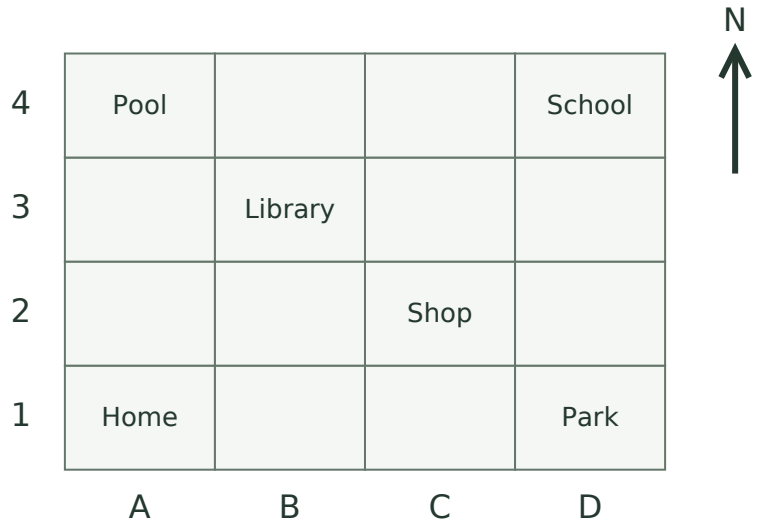
8. What general direction is Shop from Home? [2 marks]



Shop is above and to the right of Home.

Answer: North-east.

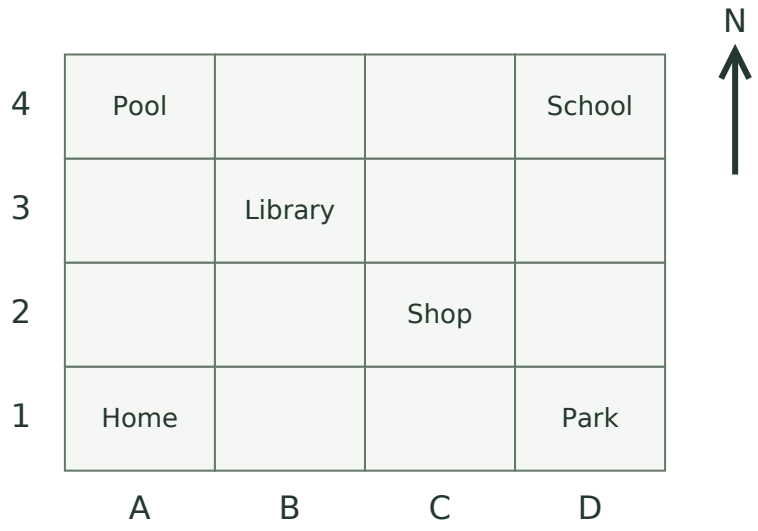
9. Start at Home. Move one east and two north. Give your destination. [2 marks]



$\mathrm{A1} \rightarrow \mathrm{B1} \rightarrow \mathrm{B2} \rightarrow \mathrm{B3}$.

Answer: Library at B3.

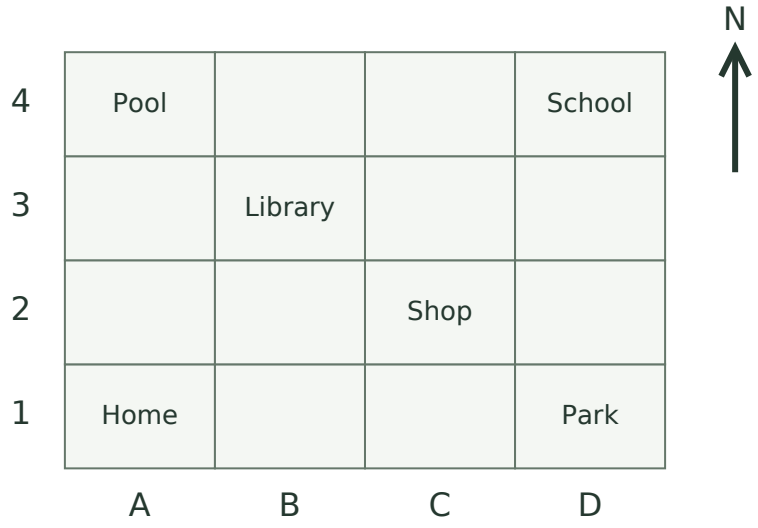
10. Write a route from Park D1 to Shop C2 using two grid steps. [2 marks]



$\mathrm{D1} \rightarrow \mathrm{C1} \rightarrow \mathrm{C2}$, for example.

Answer: One west and one north, in either order.

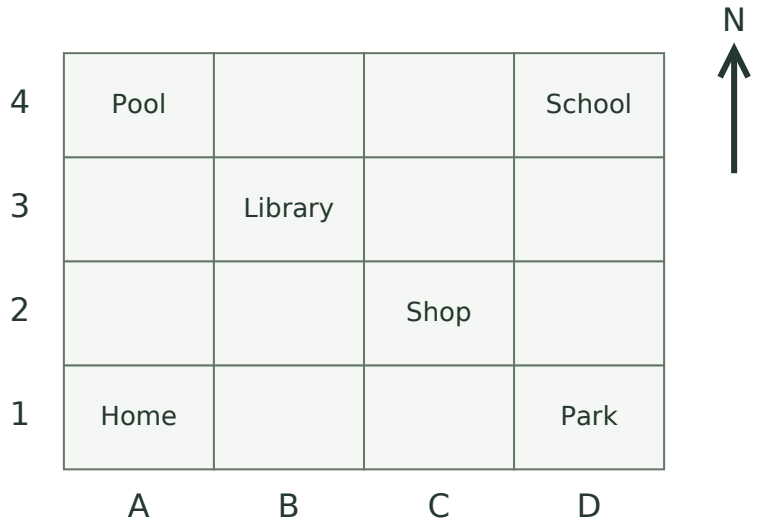
11. Find the fewest horizontal/vertical steps from Pool A4 to Park D1 when no obstacles are shown. [2 marks]



Three east and three south are required.

Answer: Six steps.

12. A student says Home to School is exactly 600 metres because the route takes six grid steps. Is the claim justified? [3 marks]



Six grid steps cannot be changed into metres without a scale.

Answer: No. The map supplies no metres-per-cell scale.