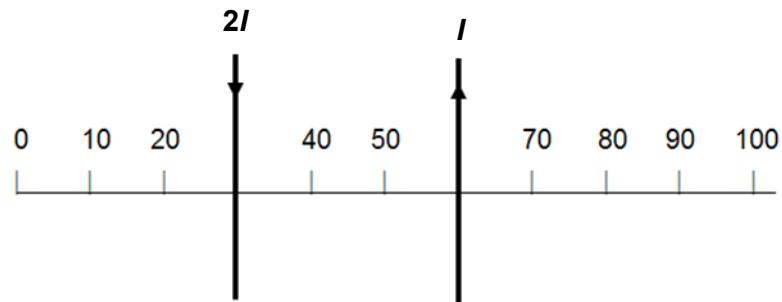


- 24** Two parallel, straight conductors, placed at right angles to a ruler, carry currents of  $2I$  and  $I$  flowing in opposite directions.



At which point on the ruler is the resultant magnetic field the greatest?

- A** 20 cm mark
- B** 40 cm mark
- C** 50 cm mark
- D** 70 cm mark