

QUICK CHECK

ELECTRIC CHARGE AND ELECTRIC FIELDS

**DEAKIN
COLLEGE**

in association with

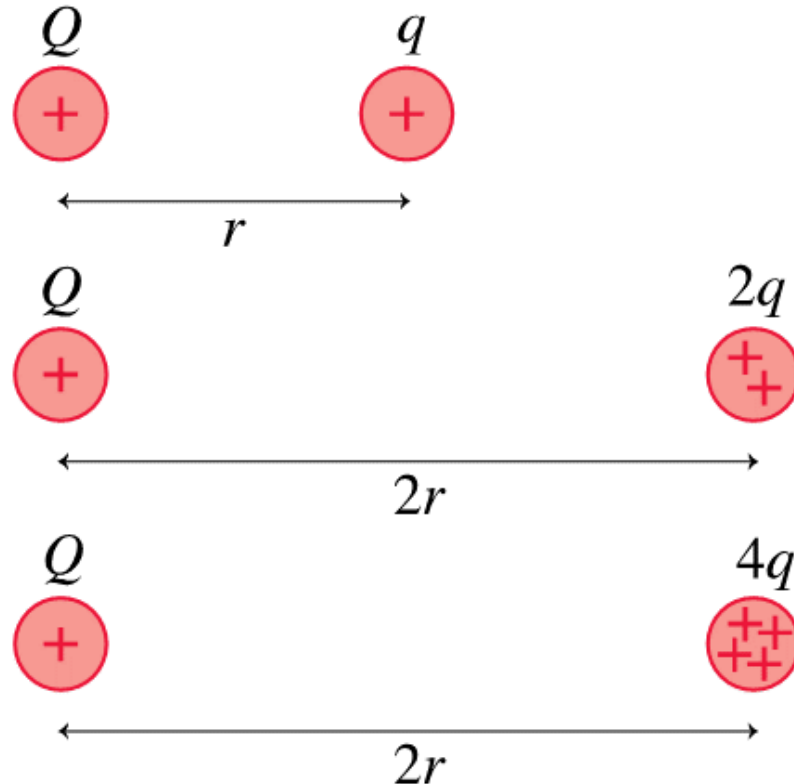


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QUICK CHECK 1

Which of the three right-hand charges experiences the largest force?

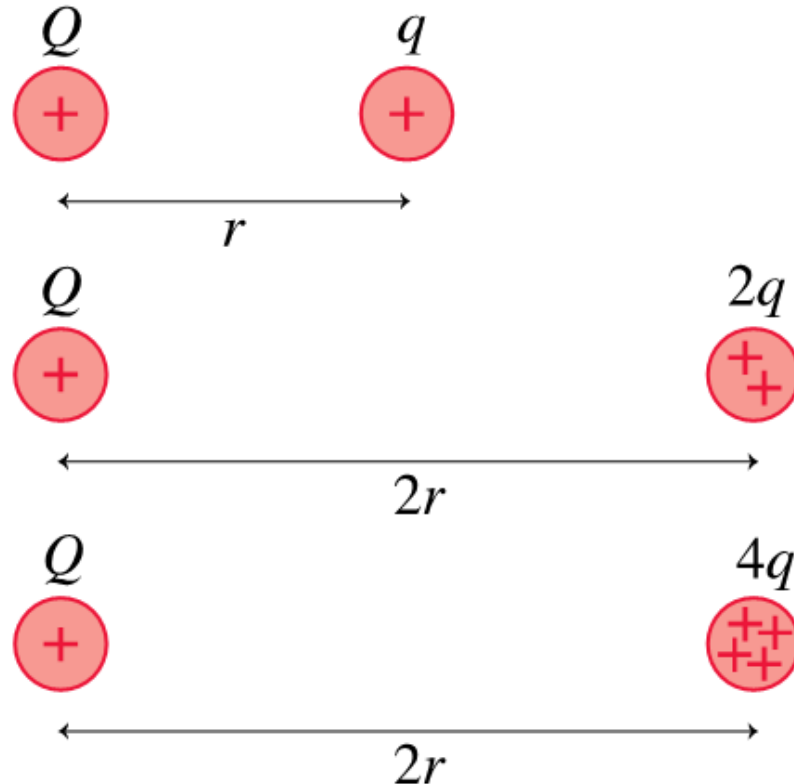
- A. q
- B. $2q$
- C. $4q$
- D. q and $2q$ are tied
- E. q and $4q$ are tied



QUICK CHECK 1

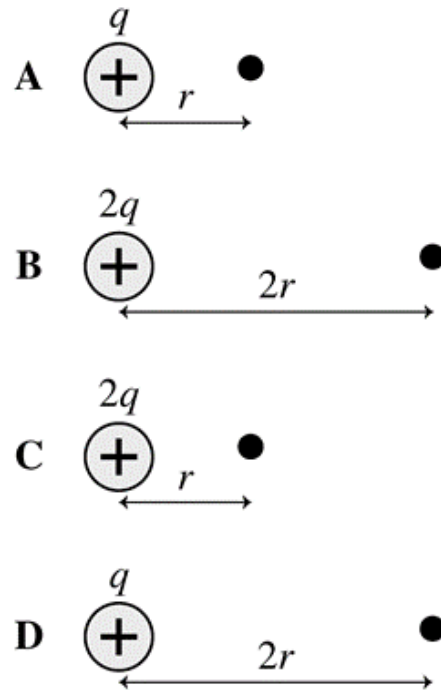
Which of the three right-hand charges experiences the largest force?

- A. q
- B. $2q$
- C. $4q$
- D. q and $2q$ are tied
- ✓ E. q and $4q$ are tied



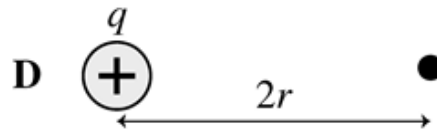
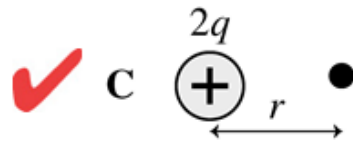
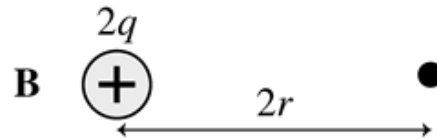
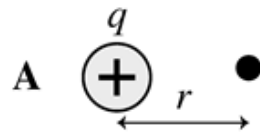
QUICK CHECK 2

In each of the following cases, an identical small, positive charge is placed at the black dot. In which case is the force on the small charge the largest?



QUICK CHECK 2

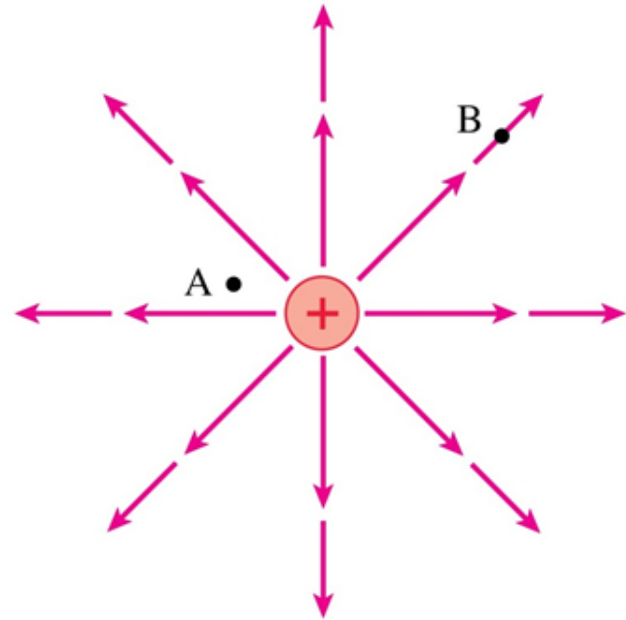
In each of the following cases, an identical small, positive charge is placed at the black dot. In which case is the force on the small charge the largest?



QUICK CHECK 3

At which point is the electric field stronger?

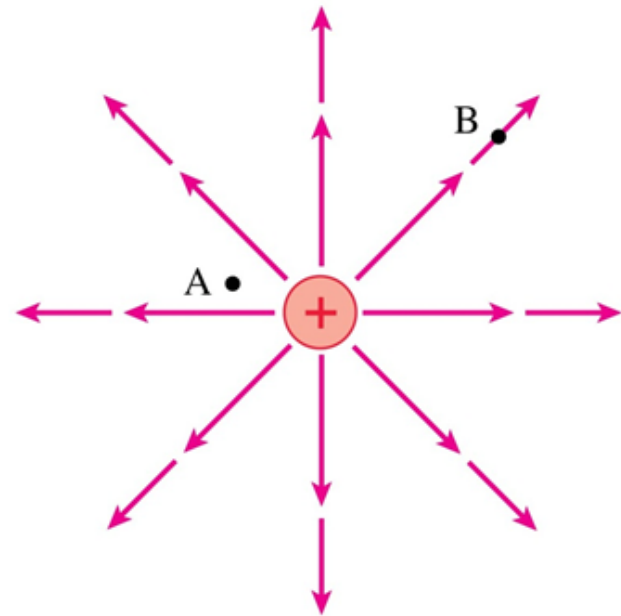
- A. Point A
- B. Point B
- C. Not enough information to tell



QUICK CHECK 3

At which point is the electric field stronger?

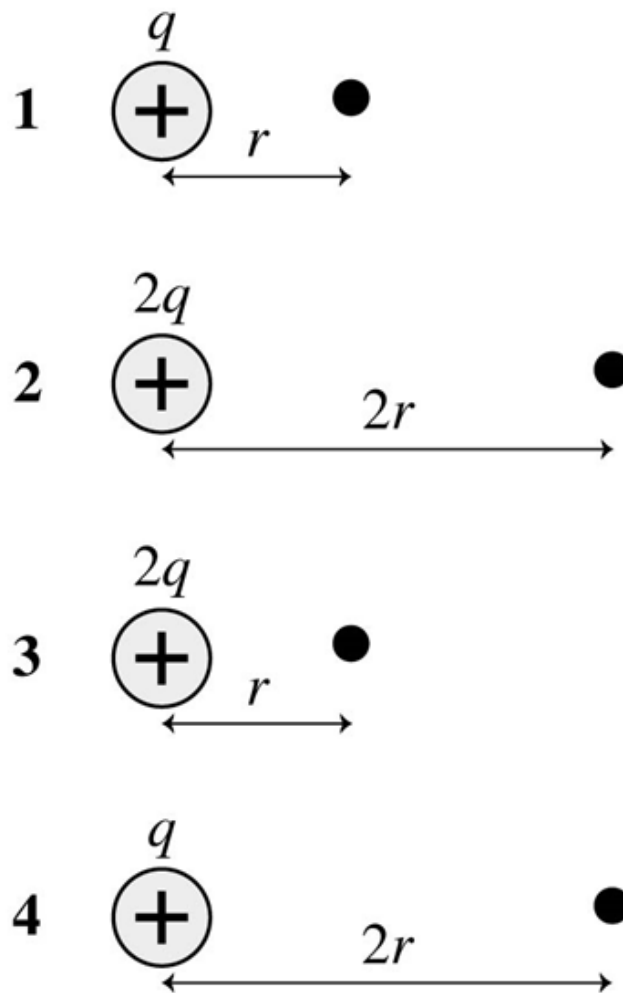
- ✓ A. Point A
- B. Point B
- C. Not enough information to tell



QUICK CHECK 4

Rank in order, from largest to smallest, the magnitudes of the electric field at the black dot.

- A. 3, 2, 1, 4
- B. 3, 1, 2, 4
- C. 1, 4, 2, 3
- D. 3, 1, 2, 4



QUICK CHECK 4

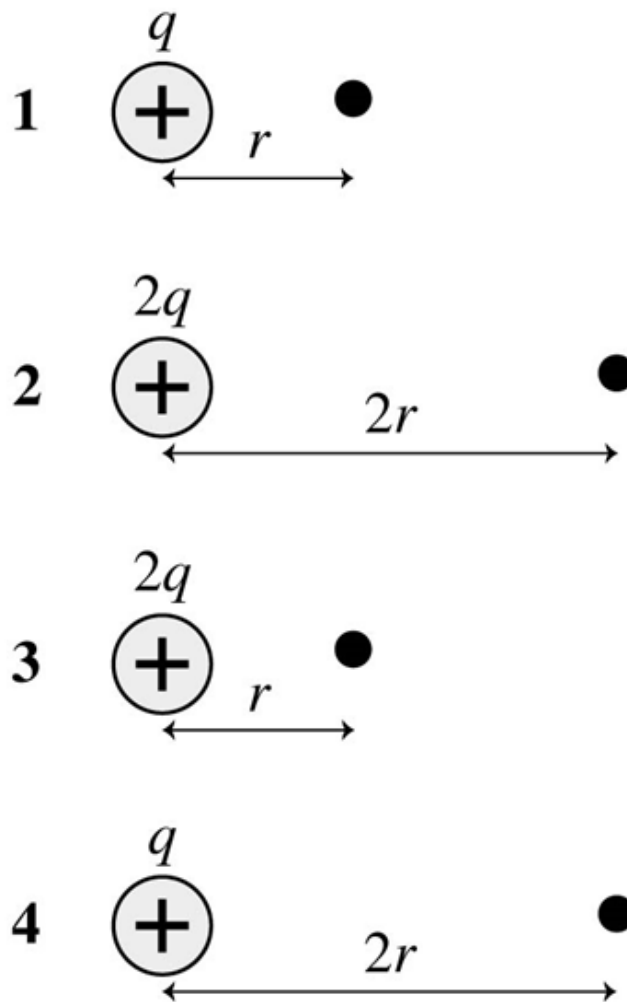
Rank in order, from largest to smallest, the magnitudes of the electric field at the black dot.

A. 3, 2, 1, 4

B. 3, 1, 2, 4

C. 1, 4, 2, 3

✓ D. 3, 1, 2, 4



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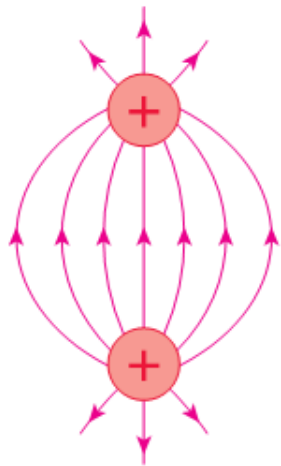
in association with



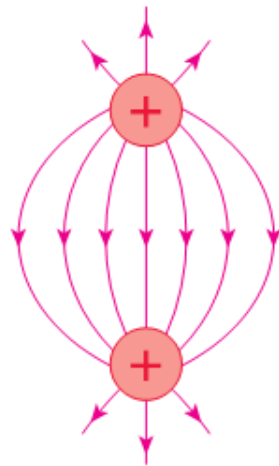
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QUICK CHECK 5

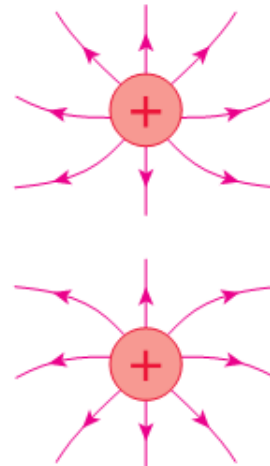
Which of the following is the correct representation of the electric field created by two positive charges?



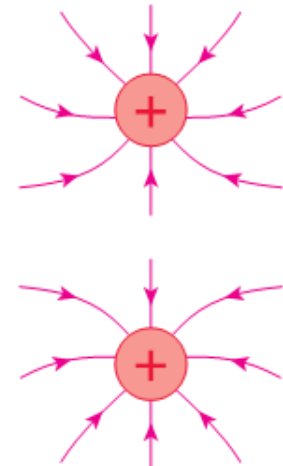
A.



B.



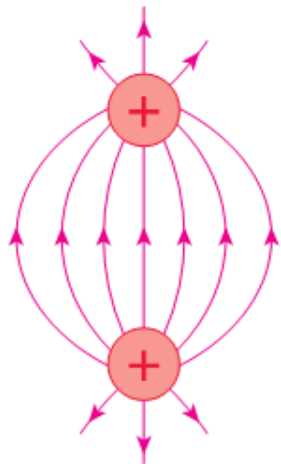
C.



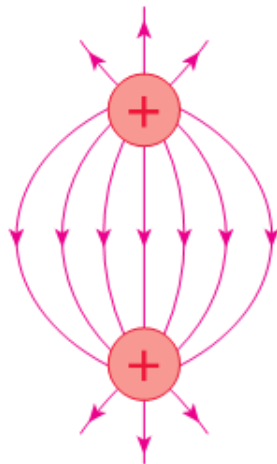
D.

QUICK CHECK 5

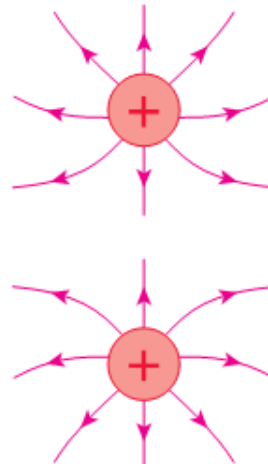
Which of the following is the correct representation of the electric field created by two positive charges?



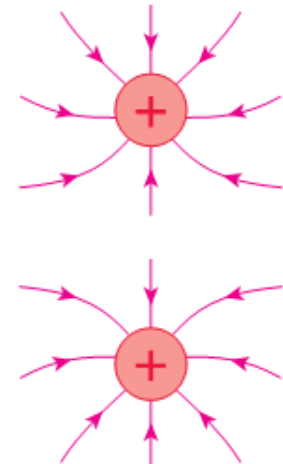
A.



B.



C.



D.