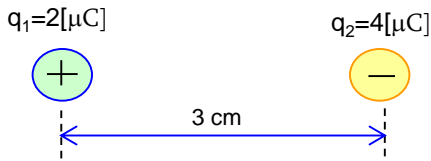


ACTIVIDAD 1

CARGA Y FUERZA ELÉCTRICA

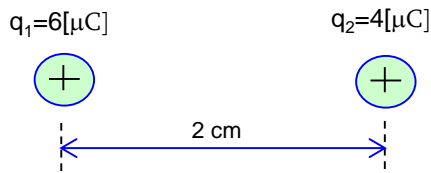
FÍSICA

1. Hallar la fuerza en la carga q_1 .



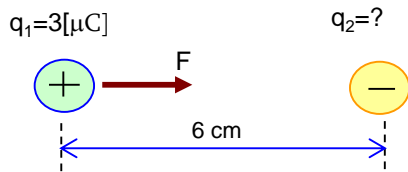
- A) $40i$ [N]
- B) $-40i$ [N]
- C) $80i$ [N]
- D) $-80i$ [N]
- E) N.A.

2. Hallar la fuerza en la carga q_2 .



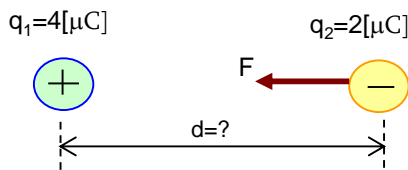
- A) $540i$ [N]
- B) $-540i$ [N]
- C) $800i$ [N]
- D) $-800i$ [N]
- E) N.A.

3. Hallar la q_2 . Si $F = 900$ [N].



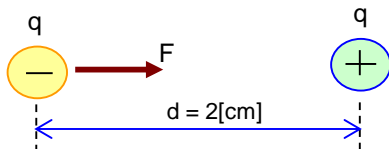
- A) 100 [μC]
- B) 120 [μC]
- C) 140 [μC]
- D) 160 [μC]
- E) N.A.

4. Hallar la distancia "d". Si $F = 20$ [N].



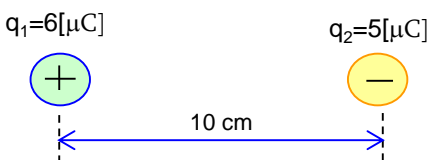
- A) 2 [cm]
- B) 4 [cm]
- C) 6 [cm]
- D) 8 [cm]
- E) N.A.

5. Hallar la carga "q". Si $F = 90$ [N].



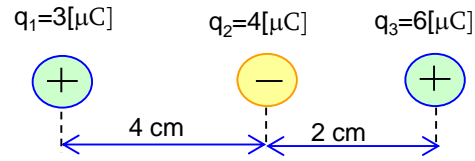
- A) 1 [μC]
- B) 2 [μC]
- C) 3 [μC]
- D) 4 [μC]
- E) N.A.

6. Hallar la fuerza en la carga q_2 .



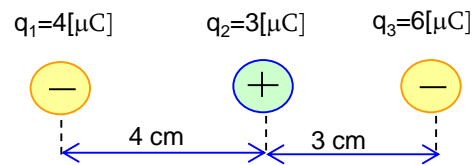
- A) $27i$ [N]
- B) $-27i$ [N]
- C) $28i$ [N]
- D) $-28i$ [N]
- E) N.A.

7. Hallar la fuerza resultante en "q3".



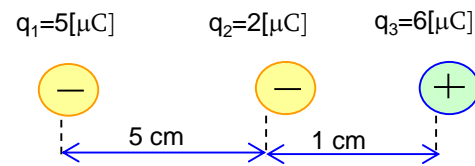
- A) $-490i$ [N]
- B) $-495i$ [N]
- C) $500i$ [N]
- D) $505i$ [N]
- E) N.A.

8. Halla la fuerza resultante en "q2".



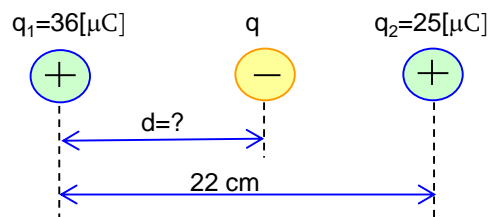
- A) $115i$ [N]
- B) $-115i$ [N]
- C) $113i$ [N]
- D) $-113i$ [N]
- E) N.A.

9. Halla la fuerza resultante en "q1".



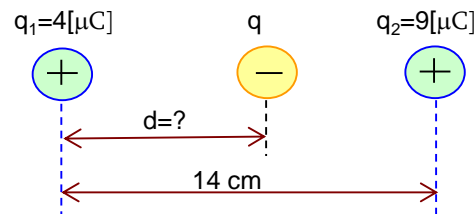
- A) $37i$ [N]
- B) $38i$ [N]
- C) $39i$ [N]
- D) $40i$ [N]
- E) N.A.

10. Hallar la distancia "d", Si el sistema está en equilibrio.



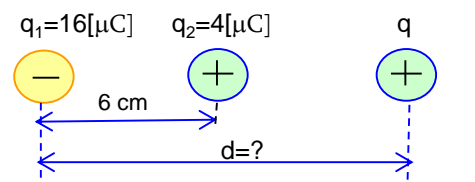
- A) 12 [cm]
- B) 14 [cm]
- C) 16 [cm]
- D) 18 [cm]
- E) N.A.

11. Hallar la distancia "d", El sistema en equilibrio.



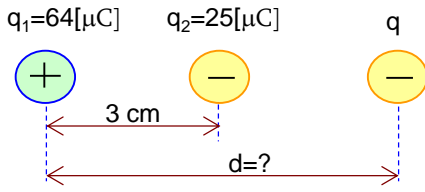
- A) 12 [cm]
- B) 14 [cm]
- C) 16 [cm]
- D) 18 [cm]
- E) N.A.

12. Hallar la distancia "d", El sistema en equilibrio.



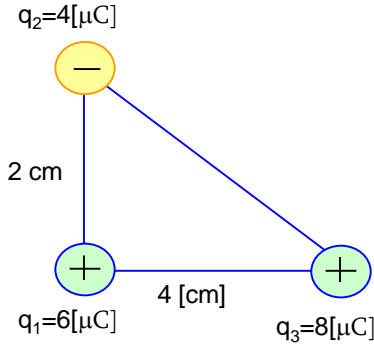
- A) 12 [cm]
- B) 14 [cm]
- C) 16 [cm]
- D) 18 [cm]
- E) N.A.

13. El sistema de cargas en equilibrio. Hallar "d".



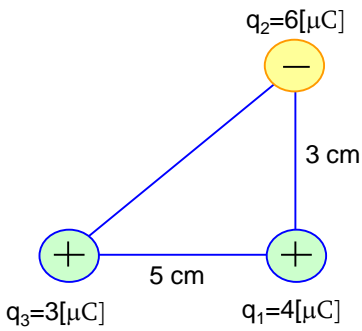
- A) 2 [cm]
- B) 4 [cm]
- C) 6 [cm]
- D) 8 [cm]
- E) N.A.

14. Hallar el módulo de la fuerza resultante en q1.



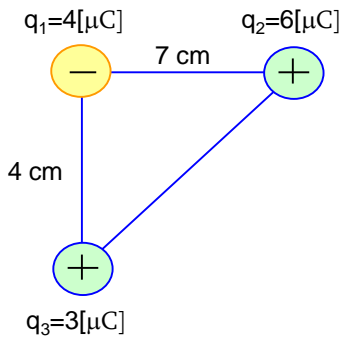
- A) 602 [N]
- B) 604 [N]
- C) 606 [N]
- D) 608 [N]
- E) N.A.

15. Hallar el módulo de la fuerza resultante en q1.



- A) 240 [N]
- B) 242 [N]
- C) 244 [N]
- D) 246 [N]
- E) N.A.

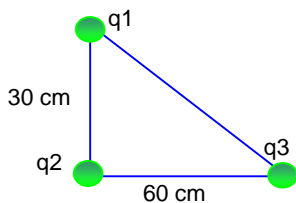
16. Hallar el módulo de la fuerza resultante en q1.



- A) 170 [N]
- B) 171 [N]
- C) 172 [N]
- D) 173 [N]
- E) N.A.

17. Calcular la fuerza eléctrica resultante en q2.

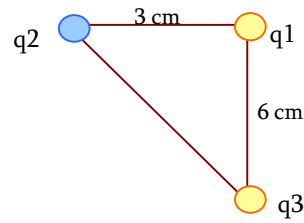
$q_1 = +3[\mu\text{C}]$; $q_2 = +10[\mu\text{C}]$ y $q_3 = +16[\mu\text{C}]$.



- A) 3 [N]
- B) 4 [N]
- C) 5 [N]
- D) 6 [N]
- E) 9[N]

18. Calcular la fuerza eléctrica resultante en q1.

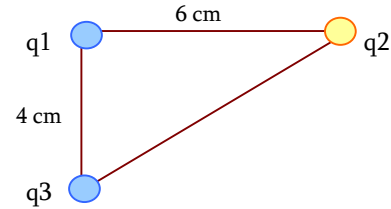
$q_1 = -4[\mu\text{C}]$; $q_2 = +8[\mu\text{C}]$ y $q_3 = -3[\mu\text{C}]$.



- A) 320 [N]
- B) 321 [N]
- C) 322 [N]
- D) 624 [N]
- E) N.A.

19. Calcular la fuerza eléctrica resultante en q1.

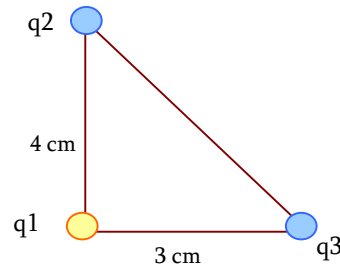
$q_1 = +2[\mu\text{C}]$; $q_2 = -5[\mu\text{C}]$ y $q_3 = +3[\mu\text{C}]$.



- A) 40 [N]
- B) 41 [N]
- C) 42 [N]
- D) 43 [N]
- E) N.A.

20. Calcular la fuerza eléctrica resultante en q3.

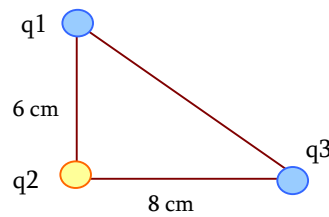
$q_1 = -4[\mu\text{C}]$; $q_2 = +2[\mu\text{C}]$ y $q_3 = +5[\mu\text{C}]$.



- A) 79,2 [N]
- B) 79,4 [N]
- C) 79,6 [N]
- D) 79,8 [N]
- E) N.A.

21. Calcular la fuerza eléctrica resultante en q3.

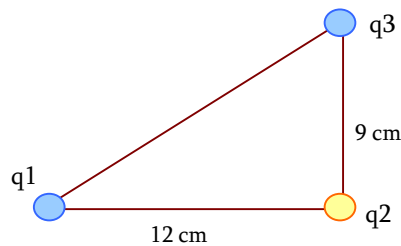
$q_1 = +4[\mu\text{C}]$; $q_2 = -2[\mu\text{C}]$ y $q_3 = +6[\mu\text{C}]$.



- A) 11 [N]
- B) 12 [N]
- C) 13 [N]
- D) 14 [N]
- E) N.A.

21. Calcular la fuerza eléctrica resultante en q3.

$q_1 = +40[\mu\text{C}]$; $q_2 = -80[\mu\text{C}]$ y $q_3 = +60[\mu\text{C}]$.



- A) 762 [N]
- B) 764 [N]
- C) 766 [N]
- D) 768 [N]
- E) N.A.