

Electric Field Intensity

Question 1:

Complete the following table. Tap on a table cell to enter or edit an answer.

	Charge Creating the E Field (C)	Charge Used to Test the E Field (C)	Force Experienced by Test Charge (N)	Electric Field Intensity (N/C)	Distance (Fictional Units)
A	4.0×10^{-4}	1.0×10^{-6}	0.20		d
B	4.0×10^{-4}	2.0×10^{-6}		2.0×10^5	d
C	8.0×10^{-4}	1.0×10^{-6}	0.40		d
D	8.0×10^{-4}	2.0×10^{-6}		4.0×10^5	d
E	8.0×10^{-4}		0.60		d
F	8.0×10^{-4}	1.0×10^{-6}		1.0×10^5	2d
G	8.0×10^{-4}	2.0×10^{-6}			2d
H	8.0×10^{-4}		0.10		2d

Question 2:

Complete the following table. Tap on a table cell to enter or edit an answer.

	Charge Creating the E Field (C)	Charge Used to Test the E Field (C)	Force Experienced by Test Charge (N)	Electric Field Intensity (N/C)	Distance (Fictional Units)
A	2.0×10^{-4}	1.0×10^{-6}	0.40		d
B	2.0×10^{-4}	2.0×10^{-6}		4.0×10^5	d
C	4.0×10^{-4}	1.0×10^{-6}	0.80		d
D	4.0×10^{-4}	2.0×10^{-6}		8.0×10^5	d
E	4.0×10^{-4}		0.40		d
F	4.0×10^{-4}	1.0×10^{-6}		2.0×10^5	2d
G	4.0×10^{-4}	2.0×10^{-6}			2d
H	4.0×10^{-4}		0.20		2d

Question 3:

Complete the following table. Tap on a table cell to enter or edit an answer.

	Charge Creating the E Field (C)	Charge Used to Test the E Field (C)	Force Experienced by Test Charge (N)	Electric Field Intensity (N/C)	Distance (Fictional Units)
A	4.0×10^{-4}	1.0×10^{-6}	0.80		d
B	4.0×10^{-4}	2.0×10^{-6}		8.0×10^5	d
C	2.0×10^{-4}	1.0×10^{-6}	0.40		d
D	2.0×10^{-4}	2.0×10^{-6}		4.0×10^5	d
E	2.0×10^{-4}		0.60		d
F	2.0×10^{-4}	1.0×10^{-6}		1.0×10^5	2d
G	4.0×10^{-4}	2.0×10^{-6}			2d
H	4.0×10^{-4}		0.20		2d

Question 4:

Complete the following table. Tap on a table cell to enter or edit an answer.

	Charge Creating the E Field (C)	Charge Used to Test the E Field (C)	Force Experienced by Test Charge (N)	Electric Field Intensity (N/C)	Distance (Fictional Units)
A	4.0×10^{-4}	1.0×10^{-6}	0.80		d
B	4.0×10^{-4}	2.0×10^{-6}		8.0×10^5	d
C	8.0×10^{-4}	1.0×10^{-6}	1.60		d
D	8.0×10^{-4}	2.0×10^{-6}		16.0×10^5	d
E	8.0×10^{-4}		0.40		d
F	8.0×10^{-4}	1.0×10^{-6}		4.0×10^5	2d
G	8.0×10^{-4}	2.0×10^{-6}			2d
H	4.0×10^{-4}		0.40		2d