

How the force between two charges varies—based on Coulomb’s Law:

$$F = \frac{-kq_1q_2}{r^2}$$

	q_1	q_2	r_2	$\frac{F_2}{F_1}$
a)	3.0 times bigger	same	same as r_1	
b)	same	2.0 times bigger	same	
c)	3.0 times bigger	2.0 times bigger	same	
d)	same	same	3.0 times bigger	
e)	2.0 times bigger	same	3.0 times bigger	
f)	same	same	$\frac{1}{3}$ of r_1	
g)	2.0 times bigger	same	$\frac{1}{3}$ of r_1	
h)		same	same	2.0
i)	same	same		2.0
j)	same	same		25