
Show formulas and units.

Problem	Answer	Problem	Answer
1. 10 μF and 15 μF in parallel?		5. τ for 47 $\text{k}\Omega$ and 10 μF ?	
2. 10 μF and 15 μF in series?		6. Code 473 in nF ?	
3. Charge on 220 μF at 12 V?		7. Plates 0.02 m^2 , gap 0.5 mm, air: C?	
4. Energy in 1,000 μF at 50 V?			

Notes

Answer key — Capacitance practice

#	Problem	Answer
1	10 μF and 15 μF in parallel?	25 μF
2	10 μF and 15 μF in series?	6 μF
3	Charge on 220 μF at 12 V?	2.64 mC
4	Energy in 1,000 μF at 50 V?	1.25 J
5	τ for 47 k Ω and 10 μF ?	0.47 s
6	Code 473 in nF?	47 nF
7	Plates 0.02 m ² , gap 0.5 mm, air: C?	$\approx$ 354 pF

Notes