

Units & Prefixes Questions

The questions only really cover prefixes but make use of some of the units

Question 1

In standard units 4 mA is:

- A. 0.004 A
- B. 0.04 A
- C. 0.4 A
- D. 4 A

Question 2

0.1 A in mA is:

- A. 0.1 mA
- B. 1 mA
- C. 10 mA
- D. 100 mA

Question 3

270000 Ω in k Ω is

- A. 2.7 k Ω
- B. 27 k Ω
- C. 270 k Ω
- D. 2700 k Ω

Question 4

4.7 k Ω in standard units is:

- A. 4.7 Ω
- B. 47 Ω
- C. 470 Ω
- D. 4700 Ω

Question 5

0.3 s in ms is:

- A. 0.3 ms
- B. 3 ms
- C. 30 ms
- D. 300 ms

Question 6

2 ms in standard units is:

- A. 0.002 s
- B. 0.02 s
- C. 0.2 s
- D. 2 s

Question 7

68 μF in mF is:

- A. 0.068 mF
- B. 0.68 mF
- C. 68 mF
- D. 68000 mF

Question 8

220 nF in μF is:

- A. 0.022 μF
- B. 0.22 μF
- C. 2.2 μF
- D. 22 μF

Question 9

33 μF in standard form is:

- A. $33 \times 10^{-12} \text{ F}$
- B. $33 \times 10^{-9} \text{ F}$
- C. $33 \times 10^{-6} \text{ F}$
- D. $33 \times 10^{-3} \text{ F}$

Question 10

12 GHz in standard form is:

- A. $12 \times 10^3 \text{ Hz}$
- B. $12 \times 10^6 \text{ Hz}$
- C. $12 \times 10^9 \text{ Hz}$
- D. $12 \times 10^{12} \text{ Hz}$

Answers

1. A
2. D
3. C
4. D
5. D
6. A
7. A
8. B
9. C
10. C

Website

http://www.pfnicholls.com/Electronics_Resources/QuestionIndex.html

© Paul Nicholls

July 2020



Electronics Resources by Paul Nicholls is licensed under a [Creative Commons Attribution 4.0 International License](https://creativecommons.org/licenses/by/4.0/).