Inductive Reactance

$$X_L = 2\pi fL$$

X_L	inductive reactance	ohms (Ω)
f	frequency	hertz (Hz)
L	inductance	henries (H)

Find the missing variables.

1. X_L = _____
   f = 0.1 Hz
   L = 1 kH

2. X_L = _____
   f = 0.2 Hz
   L = 0.1 kH

3. X_L = _____
   f = 0.3 Hz
   L = 4.3 H

4. X_L = _____
   f = 1.6 MHz
   L = 3 uH

5. X_L = _____
   f = 3.7 Hz
   L = 2.8 H

6. X_L = _____
   f = 5.6 Hz
   L = 0.06 mH

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7. X_L = 10Ω
   f = _____
   L = 2 H

8. X_L = 10kΩ
   f = _____
   L = 1 H

9. X_L = 5Ω
   f = _____
   L = 1 H

10. X_L = 300Ω
    f = _____
    L = 1.8 mH

11. X_L = 10kΩ
    f = _____
    L = 1 mH

12. X_L = 1.1kΩ
    f = _____
    L = 1 uH

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13. X_L = 150Ω
    f = 150 mHz
    L = _____

14. X_L = 1kΩ
    f = 150 uHz
    L = _____

15. X_L = 1.1kΩ
    f = 150 Hz
    L = _____

16. X_L = 1kΩ
    f = 1 mHz
    L = _____

17. X_L = 15Ω
    f = 1 MHz
    L = _____

18. X_L = 300Ω
    f = 10 MHz
    L = _____

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19. X_L = _____
    f = 11 kHz
    L = 1 mH

20. X_L = 15Ω
    f = _____
    L = 1 uH

21. X_L = 300Ω
    f = 150 Hz
    L = _____

22. X_L = _____
    f = 170 MHz
    L = 1 uH

23. X_L = 300Ω
    f = _____
    L = 1 uH

24. X_L = 300Ω
    f = 250 MHz
    L = _____