Writing numbers in scientific notation

Write each number in scientific notation: a number from 1 up to 10, times a power of 10.

Name _____ Date _____

1. 10 = _____
2. 7.74 = _____
3. 0.001 = _____
4. 2,420,000,000 = _____
5. 0.934 = _____
6. 0.009897 = _____
7. 100,000 = _____
8. 60,600 = _____
9. 8,800 = _____
10. 0.00000225 = _____
11. 0.0000039 = _____
12. 66.1 = _____
13. 1,000 = _____
14. 4.44 = _____
15. 0.00000912 = _____
16. 0.0001 = _____
17. 68,300 = _____
18. 460,000 = _____
19. 0.0004412 = _____
20. 50,900 = _____

Writing numbers in scientific notation: answer key

Each question worked out, the answer in colour.

1. $10 = 1 \times 10 = 1 \times 10^{1}$
2. $7.74 = 7.74 \times 1 = 7.74 \times 10^{0}$
3. $0.001 = 1 \times 0.001 = 1 \times 10^{-3}$
4. $2{,}420{,}000{,}000 = 2.42 \times 1{,}000{,}000{,}000 = 2.42 \times 10^{9}$
5. $0.934 = 9.34 \times 0.1 = 9.34 \times 10^{-1}$
6. $0.009897 = 9.897 \times 0.001 = 9.897 \times 10^{-3}$
7. $100{,}000 = 1 \times 100{,}000 = 1 \times 10^{5}$
8. $60{,}600 = 6.06 \times 10{,}000 = 6.06 \times 10^{4}$
9. $8{,}800 = 8.8 \times 1{,}000 = 8.8 \times 10^{3}$
10. $0.00000225 = 2.25 \times 0.000001 = 2.25 \times 10^{-6}$
11. $0.0000039 = 3.9 \times 0.000001 = 3.9 \times 10^{-6}$
12. $66.1 = 6.61 \times 10 = 6.61 \times 10^{1}$
13. $1{,}000 = 1 \times 1{,}000 = 1 \times 10^{3}$
14. $4.44 = 4.44 \times 1 = 4.44 \times 10^{0}$
15. $0.00000912 = 9.12 \times 0.000001 = 9.12 \times 10^{-6}$
16. $0.0001 = 1 \times 0.0001 = 1 \times 10^{-4}$
17. $68{,}300 = 6.83 \times 10{,}000 = 6.83 \times 10^{4}$
18. $460{,}000 = 4.6 \times 100{,}000 = 4.6 \times 10^{5}$
19. $0.0004412 = 4.412 \times 0.0001 = 4.412 \times 10^{-4}$
20. $50{,}900 = 5.09 \times 10{,}000 = 5.09 \times 10^{4}$