Scientific notation to standard form

Write each number out in full.

Name _____ Date _____

1. $9.47 \times 10^{4} =$ _____
2. $1 \times 10^{1} =$ _____
3. $4.89 \times 10^{-1} =$ _____
4. $5.3 \times 10^{0} =$ _____
5. $5.3 \times 10^{8} =$ _____
6. $2.923 \times 10^{-4} =$ _____
7. $1 \times 10^{-2} =$ _____
8. $8.904 \times 10^{4} =$ _____
9. $1 \times 10^{3} =$ _____
10. $3.59 \times 10^{-2} =$ _____
11. $4.87 \times 10^{0} =$ _____
12. $5.582 \times 10^{-5} =$ _____
13. $3.45 \times 10^{-5} =$ _____
14. $6.94 \times 10^{4} =$ _____
15. $1.06 \times 10^{-1} =$ _____
16. $1 \times 10^{2} =$ _____
17. $1.5 \times 10^{6} =$ _____
18. $3.8 \times 10^{1} =$ _____
19. $5.906 \times 10^{7} =$ _____
20. $1 \times 10^{-7} =$ _____

Scientific notation to standard form: answer key

Each question worked out, the answer in colour.

1. $9.47 \times 10^{4} = 9.47 \times 10{,}000 = 94{,}700$
2. $1 \times 10^{1} = 1 \times 10 = 10$
3. $4.89 \times 10^{-1} = 4.89 \times 0.1 = 0.489$
4. $5.3 \times 10^{0} = 5.3 \times 1 = 5.3$
5. $5.3 \times 10^{8} = 5.3 \times 100{,}000{,}000 = 530{,}000{,}000$
6. $2.923 \times 10^{-4} = 2.923 \times 0.0001 = 0.0002923$
7. $1 \times 10^{-2} = 1 \times 0.01 = 0.01$
8. $8.904 \times 10^{4} = 8.904 \times 10{,}000 = 89{,}040$
9. $1 \times 10^{3} = 1 \times 1{,}000 = 1{,}000$
10. $3.59 \times 10^{-2} = 3.59 \times 0.01 = 0.0359$
11. $4.87 \times 10^{0} = 4.87 \times 1 = 4.87$
12. $5.582 \times 10^{-5} = 5.582 \times 0.00001 = 0.00005582$
13. $3.45 \times 10^{-5} = 3.45 \times 0.00001 = 0.0000345$
14. $6.94 \times 10^{4} = 6.94 \times 10{,}000 = 69{,}400$
15. $1.06 \times 10^{-1} = 1.06 \times 0.1 = 0.106$
16. $1 \times 10^{2} = 1 \times 100 = 100$
17. $1.5 \times 10^{6} = 1.5 \times 1{,}000{,}000 = 1{,}500{,}000$
18. $3.8 \times 10^{1} = 3.8 \times 10 = 38$
19. $5.906 \times 10^{7} = 5.906 \times 10{,}000{,}000 = 59{,}060{,}000$
20. $1 \times 10^{-7} = 1 \times 0.0000001 = 0.0000001$