

Examples:

Write the following numbers in standard form:

a) $5000 = 5 \times 1000 = 5 \times 10^3$

b) $600 = 6 \times 100 = 6 \times 10^2$

c) $0.0007 = 7 \times \frac{1}{10000} = 7 \times 10^{-4}$

Exercise:

Write the following numbers in standard form:

1. $4000 = 4 \times 10^3$

11. $0.0875 = 8.75 \times 10^{-2}$

2. $80,000 = 8 \times 10^4$

12. $0.000068 = 6.8 \times 10^{-5}$

3. $24,000 = 2.4 \times 10^4$

13. $0.09542 = 9.542 \times 10^{-2}$

4. $5650 = 5.65 \times 10^3$

14. $87,300 = 8.73 \times 10^4$

5. $0.008 = 8 \times 10^{-3}$

15. $2 \text{ million} = 2 \times 10^6$

6. $0.0075 = 7.5 \times 10^{-3}$

16. $0.000085 = 8.5 \times 10^{-5}$

7. $473.2 = 4.732 \times 10^2$

17. $1.5 \text{ million} = 1.5 \times 10^6$

8. $800,000 = 8 \times 10^5$

18. $0.00000002 = 2 \times 10^{-8}$

9. $0.072 = 7.2 \times 10^{-2}$

19. $3000 \times 500 = 1.5 \times 10^6$

10. $0.00485 = 4.85 \times 10^{-3}$

20. $(0.007)^2 = 4.9 \times 10^{-5}$