

Significant DigitsPart A

Identify how many significant digits in the following examples:

1. 71543 _____
2. 71500 _____
3. 71005 _____
4. 0.00071 _____
5. 701.06 _____
6. 710063 _____
7. 7.00 _____
8. 7.001 _____
9. 7.00×10^{-3} _____
10. 436910 _____

Part B

Perform the following math functions reporting the answer in the correct significant digits.

11. $4.5 \times 3.7 =$ _____
12. $3.25 \times 3.2 =$ _____
13. $7.1649 \times 3.13 =$ _____
14. $34.5 \div 3.7 =$ _____
15. $3.25 \div 3.2 =$ _____
16. $7.1649 \div 3.13 =$ _____
17. $4.64 + 3.1 =$ _____
18. $15.611 + 4 =$ _____
19. $147.6 + 0.0001 =$ _____
20. $4.64 - 3.1 =$ _____
21. $62.43 - 7.22 =$ _____
22. $423.6 - 0.4 =$ _____
23. $(6.32 \times 4.113) + (3.1 \times 0.65) =$ _____