

Answer Key

Standard: CCSS.Math.Content.5.NBT.A.2

Description: Explain patterns in the number of zeros of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.

Determine the Unknown in a Multiply by Power of Ten Equation:

1. <u>?</u> x 10 ⁴ = 89,600,000	6. 853 x 10 ? = 8,530,000
Answer: 8960	Answer: 4
2. 5160 x 10 ² = <u>?</u>	7. 492 x 10 ⁵ = <u>?</u>
Answer: 516000	Answer: 49200000
3. <u>?</u> x 10 ³ = 295,000	8. 5790 x 10 <u>?</u> = 57,900,000
Answer: 295	Answer: 4
4. 775 x 10 ⁴ = <u>?</u>	9. <u>?</u> x 10 ⁵ = 21,200,000
Answer: 7750000	Answer: 212
5. 8080 x 10 ? = 8,080,000	10. 7980 x 10 ³ = <u>?</u>
Answer: 3	Answer: 7980000

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