

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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