

APPLYING THE STANDARD

How might this standard appear on a test?



*CHECK OUT MY
WORKED EXAMPLE #10*

1) Match each expression to its solution by drawing a line between them.

- a) 0.356×10^2 b) $356 \div 10^2$ c) 0.356×10^3 d) 0.356×10^4 e) $356 \div 10^4$

3.56

35.6

3,560

0.0356

356

2) Fill in each product. Explain the pattern you see between the powers of 10 and the number of zeros in each whole-number product.

$$49 \times 1 = \underline{\hspace{2cm}}$$

$$49 \times 10^1 = \underline{\hspace{2cm}}$$

$$49 \times 10^2 = \underline{\hspace{2cm}}$$

$$49 \times 10^3 = \underline{\hspace{2cm}}$$

3) Fill in each product. Explain the pattern you see between the powers of 10 and the placement of the decimal in each product.

$$0.635 \times 1 = \underline{\hspace{2cm}}$$

$$0.635 \times 10^1 = \underline{\hspace{2cm}}$$

$$0.635 \times 10^2 = \underline{\hspace{2cm}}$$

$$0.635 \times 10^3 = \underline{\hspace{2cm}}$$

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4) Fill in the missing power of 10 so that each number sentence is true.

$$32 \times \underline{\hspace{2cm}} = 32,000 \quad 4.7 \div \underline{\hspace{2cm}} = 0.047 \quad 68 \div \underline{\hspace{2cm}} = 0.0068$$

$$96 \times \underline{\hspace{2cm}} = 960 \quad 2.5 \times \underline{\hspace{2cm}} = 2,500 \quad 814 \div \underline{\hspace{2cm}} = 0.000814$$

5) Fill in the missing number so that each number sentence is true.

$$\underline{\hspace{2cm}} \times 10^3 = 2,100 \quad \underline{\hspace{2cm}} \div 10^4 = 0.0005 \quad \underline{\hspace{2cm}} \div 10^5 = 0.0035$$

$$\underline{\hspace{2cm}} \times 10^4 = 76,000 \quad \underline{\hspace{2cm}} \times 10^3 = 3,000 \quad \underline{\hspace{2cm}} \div 10^2 = 140$$

6) Gustavo earned \$15.25 a day playing his guitar at La Playa Grill. How much will Gustavo earn if he plays:

- a) 10 days in one month? _____
- b) 10 days a month for 10 months? _____
- c) 10 days a month for 10 months for 10 years? _____

