Finding Original Price   10/13
↳ "Oh shoot, this is different"

Steps
1. Find the % you are still paying
   (Subtract given % from 100)

* 2. Divide the Sales price by the %
   Found in Step 1 (Original price is the
   Only time you divide)

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Examples

① Calendar: 75% off → 25%
   $100-75=25$
   Sale price: $2.25   .25

Find the Original Price.

$2.25 \div 0.25 = \boxed{\$9}$

$\dfrac{\%}{100} = \dfrac{Part}{Whole}$

$\dfrac{25}{100} = \dfrac{2.25}{X}$

$\dfrac{25x}{25} = \dfrac{225}{25}$

$\boxed{X = \$9}$

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② Telescope
  30% discount → 70% }
  $126 - Sales price   .70

Find the Original Price.

$$126 \div 0.70 = \$180$$

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3. A cell phone is on sale for 30% off. If the sales price is $239.89, what was the original price?

$$239.89 \div 0.70 = \$342.70$$

4. Find the original price if the sales price of an I-pod is $205.50 and this represents a 25% discount.

$$205.50 \div 0.75 = \$274$$

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5. A pair of in-line skates are on sale for $90. If this represents a 9% discount from the original price, what is the original price to the nearest cent?

$100 - 9 = 91\%$

$.91$

$90 \div .91 = \boxed{\$98.90}$

6. A bottle of hand lotion is on sale for $2.25. If this represents a 50% discount, what is the original price?

$100 - 50 = 50\%$

$.50$

$2.25 \div 0.5 = \boxed{\$4.50}$

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