Aim: SWBAT review.

Do Now: Pencil and Calculator

HW: WS (side 10)

Percent Proportion Quiz tomorrow

Quiz Friday (retail price, total price, sale price)
Lesson 1.6 Practice B

1. Original price: $48.90
   Discount: 15%
   \( 0.15 \times 48.90 = 7.335 \) Discount
   \( 48.90 - 7.335 = 41.565 \) Sale price

2. Original price: $27.99
   Discount: 30%
   \( 0.30 \times 27.99 = 8.397 \) Discount
   \( 27.99 - 8.397 = 19.593 \) Sale price

3. Original price: $87
   Sales tax: 4.5%
   \( 0.045 \times 87 = 3.8915 \) tax
   \( 87 + 3.8915 = 90.8915 \) total price

4. Original price: $63.50
   Discount: 25%
   \( 0.25 \times 63.50 = 15.875 \) Discount
   \( 63.50 - 15.875 = 47.625 \) Sale price

5. Original price: $48.30
   Sales tax: 6%
   \( 0.06 \times 48.30 = 2.898 \) tax
   \( 48.30 + 2.898 = 51.198 \) total price

6. \( \frac{3}{11} = \frac{x}{100} \) shown left about
   \( \frac{3x}{11} = \frac{300}{11} \)
   \( x = 27.27 \)
   \( x = 27 \frac{2}{7} \)%

7. Original price: $19
   Discount: x% of $16.15
   \( 2.825 = \frac{x}{100} \times 16.15 \)
   \( \frac{2.825}{16.15} = \frac{x}{100} \)
   \( x = 17.5 \)%
(5) \[ \text{Old Price: } \$18 \quad \text{New Price: } \$17.46 \]
\[ \frac{\$18 - \$17.46}{\$18} = \frac{\$0.54}{\$18} = \frac{x}{100} \]
\[ \frac{\% x = 5.4}{1\%} = \frac{18}{18} \]
\[ x = 3\% \]

(7) \[ \text{Old Price: } \$58 \quad \text{New Price: } \$48.72 \]
\[ \frac{\$58 - \$48.72}{\$58} = \frac{\$9.28}{\$58} = \frac{x}{100} \]
\[ \frac{\% x = 9.28\%}{58\%} = \frac{\$9.28}{\$58} \]
\[ x = 16\% \]

(2c) \[ \text{Price: } \$53.25 \quad \text{Tax: } 6\% \]
\[ (0.06)(\$53.25) = \$3.195 \text{ tax} \]
\[ \$53.25 + \$3.195 = \$56.445 \]
\[ \$56.445 \text{ total price} \]
Why Did the Ghost Cross the Road?

Find the following markups and markdowns.

**TH**  Markup $50 by 20%

**DE**  Markup $18 by 50%

**MA**  A local clothing store is having a 10% off sale. If a shirt is usually $30, how much money will you save?

**KE**  Sharice buys a vintage videogame for $10, then marks up the price 40%. How much did she raise the price?

**TO**  The Barker family went to a local restaurant for dinner. If the bill is $60, and they use a 25% off coupon, how much was their meal?

**EO**  A clothing company can make shirts for $4. If they markup the price 125%, how much do they sell for?

**ER**  An electronics company makes a cell phone touch screen for $35. If they markup the price 20%, how much do they make on each one?

**SI**  As Fall begins, a clothing store marks down Summer clothes 50%. How much would a $47 bathing suit cost?

**TH**  A restaurant can make a burger for $5. If they markup the price 30%, what is the menu price of the burger?

**TO**  An album that is regularly $9 is being discounted by 10%. What is the sale price of the album?