NAME _____ DATE _____ PERIOD _____

Enrich

Shopping with Compatible Numbers

Suppose that you are meeting a friend for lunch and come across the sale advertised at the right. For weeks, you have wanted to buy a set of CDs that is regularly priced at $31.98. Here is how compatible numbers can help you find the sale price of the set.

- $\frac{1}{4}$ of $31.98 is about $\frac{1}{4}$ of $32, or $8.
- "$\frac{1}{4}$ off" means that you pay $1 - \frac{1}{4}$, or $\frac{3}{4}$.
- Since $\frac{1}{4}$ of $32 = $8, $\frac{3}{4}$ of $32 = $24.

The sale price is about $24.

Each exercise gives the regular price of one or more items. Use the information at the right to estimate the sale price.

1. video game: $23.95

2. CD: $15.95

3. headphones: $10.98

4. three packs of batteries: $5.98 per pack

5. one CD: $20.95
one video game: $27.99

6. one set of headphones: $15.79
two video games: $17.55 and $15.50

7. one CD: $16.95
one set of headphones: $14.50
one DVD: $19.98

8. two CDs: $14.95 and $12.95
one video game: $20.99
two DVDs: $14.95 each

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