

Activity 2

PART 2: COMPARING COSTS



For each question below, use a calculator to determine which is the more economical option.

1. You need a new bottle of conditioner.

Option 1: 2-pack of conditioner for \$40.00; each bottle is 16 ounces. No shipping or sales tax.

Price per 2-pack : (\$ _____ ÷ 2 bottles) ÷ _____ oz. = \$ _____ per oz.

Option 2: Individual bottle of conditioner; 16 ounces for \$25.95.

Price per bottle: \$ _____ ÷ _____ oz. = \$ _____ per oz.

Option _____ is more economical.



2. Your favorite online clothing store is offering a membership that allows you unlimited shipping throughout the year for a one-time flat rate of \$29.99. Typically, you pay \$3.99 shipping for each purchase you make. How many orders will you need to place in order for the membership to be worthwhile?

Flat rate \$ _____ ÷ Per-order rate \$ _____ = Base number of orders _____

It would be cheaper to _____.

3. You are moving out on your own and need to buy furniture for your apartment. You found a new couch that costs \$1,500 plus 7.5% tax and \$50 shipping, or a used couch that is 5 years old, for \$700 cash without tax, and it needs about \$200 worth of repairs and cleaning. Assuming that a couch lasts 15 years, which is the more economical purchase?

NEW

Price \$ _____

Tax x _____ %

Cost \$ _____

Shipping \$ _____

Total Cost \$ _____

Years remaining ÷ _____

Cost per year \$ _____

The _____ couch is the more economical option.

USED

Price \$ _____

Cleaning, etc. \$ _____

Total Cost \$ _____

Years remaining ÷ _____

Cost per year \$ _____

