



Problem of the Week

Problem A and Solution

Better Value?

Problem

Skyla wants to buy a new outfit. She wants new jeans, a t-shirt, a coat, and a hat. She searches the store flyers and finds the exact same clothing options at three different stores.

- *Noether's Nook* has the jeans for \$59, the t-shirt on sale for \$15, the coat for \$82, and the hat for \$16.
- *Gauss Garb* has the exact same jeans for \$42, the t-shirt for \$27, the coat for \$76, and the hat for \$19.
- *Hypatia's Hidden Gems* has the jeans for \$51, the t-shirt for \$23, the coat for \$94, and the hat on sale for \$14.

Skyla's grandparents want to send her a store gift card for her birthday to cover the exact cost of her outfit. Which store's gift card would you recommend for Skyla's grandparents to purchase?

Solution

Let's calculate the total cost of the items at each store:

- *Noether's Nook*: $59 + 15 + 82 + 16 = \$172$
- *Gauss Garb*: $42 + 27 + 76 + 19 = \$164$
- *Hypatia's Hidden Gems*: $51 + 23 + 94 + 14 = \$182$

We notice that the least amount they would have to pay is \$164. Therefore, if they want to pay the least amount of money, then the gift card should be purchased from *Gauss Garb*.