

TOPIC 2: Rates & Ratios – Block 3 CONSTRUCTED RESPONSE: Sports Drinks

1. Alex goes to the store to buy his favorite sport drink. He sees a price list for different packaging options:

SPORTS DRINKS 6-pack: \$7.20 12-pack: \$14.28 Case (24-pack): \$28.32
--

- a. Determine the **unit price** of a sport drink for the 6-pack, 12-pack, and the case.
- b. Alex wants to buy 24 drinks. He could buy 6-packs, 12-packs, or a single case. What is the **best way** for him to buy the 24 drinks **to get the best price**? Explain how much he would spend for each option and how much he would save.
- c. Alex's friend Sara is having a party. She wants to buy 102 bottles of the sport drink. Which is the best way to make the purchase? Explain your reasoning.
- d. When Sara gets to the store, she sees she only brought \$107. How many drinks can she buy? Which packages should she choose to get as many drinks as she can with the money she has? Explain your answer.