Number

Lesson 8 Assessment

Calculating the Best Buy

Calculating the Best Buy			
Understands what a unit price is "A unit price is the price of 1 unit of a product or service; e.g., 1 card is $5.50."	Calculates the unit rate/price in one way Two packages of drink boxes cost $12. Each package contains 8 drink boxes. How much does 1 drink box cost? "1 package or 8 drink boxes cost $6. So, 1 drink box costs: $6 ÷ 8 = $0.75."	Calculates unit rate/price in more than one way A pack of 10 granola bars costs $3.99. At this rate, the cost of 1 granola bar is: $3.99 ÷ 10 = $0.399, or about $0.40 1 granola bar costs $0.40. Salami costs $25/kg. At this rate, the amount of salami that can be bought for $1 is: $\frac{\$25}{1}\text{ kg} = \frac{\$25}{1000}\text{ g}$ Divide the numerator and denominator by 25. $\frac{\$25}{1000}\text{ g} = \frac{\$1}{40}\text{ g}$	Calculates the best buy A store has these prices for oranges: $7.99 for 2 kg $10.99 for 3 kg $18.99 for 5 kg Which is the best buy? Unit rate for $7.99/2 kg: $7.99 ÷ 2 kg ≈ $4.00/kg Unit rate for $10.99/3 kg: $10.99 ÷ 3 kg ≈ $3.66/kg Unit rate for $18.99/5 kg: $18.99 ÷ 5 kg ≈ $3.80/kg The 3-kg bag has the lowest unit price, so it is the best deal.
Observations/Documentation			