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| **Solving Problems Involving Coupons and Discounts** | | | |
| Calculates the percent of an amount of money in more than one way  Use a percent as a fraction to determine 20% of $150.  20% is one-fifth. So, 20% of $150 is: $150 ÷ 5 = $30  Use a percent as a decimal to determine 20% of $150.  20% is 0.20. So, 20% of $150 is: 0.20 × $150 = $30 | Determines the better deal between a coupon and a percent discount  In a sale, there are two choices: • a $20 off coupon • a 15% discount  Which is the better deal for an Item with a regular price of $80? Sale price with the coupon:  $80 – $20 = $60 Sale price with the discount:  85% of $80  = 0.85 × $80  = $68 The coupon provides the better deal. | Calculates unit rate 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:  kg = g  Divide the numerator and denominator by 25.  g = 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** | | | |
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