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| **Solving Problems Involving Coupons and Discounts** |
| Calculates the percent of an amount of money in more than one wayUse a percent as a fraction to determine 20% of $150.20% is one-fifth.So, 20% of $150 is:$150 ÷ 5 = $30Use 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 discountIn a sale, there are two choices:• a $20 off coupon• a 15% discountWhich is the better deal for an Item with a regular price of $80?Sale price with the coupon: $80 – $20 = $60Sale price with the discount: 85% of $80 = 0.85 × $80 = $68The coupon provides the better deal. | Calculates unit rate in more than one wayA 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 $0.401 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 buyA store has these prices for oranges:$7.99 for 2 kg$10.99 for 3 kg$18.99 for 5 kgWhich is the best buy?Unit rate for $7.99/2 kg:$7.99 ÷ 2 kg $≈$ $4.00/kgUnit rate for $10.99/3 kg: $10.99 ÷ 3 kg $≈$ $3.66/kgUnit rate for $18.99/5 kg:$18.99 ÷ 5 kg $≈$ $3.80/kgThe 3-kg bag has the lowest unit price, so it is the best deal. |
| **Observations/Documentation** |
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