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| **Using Mental Math to Calculate Percents** |
| Calculates a benchmark percent 10% of 350 = × 350 = × 350 = 35  | Uses benchmark percents to calculate another percent 37% = 3(10%) + 5% + 2(1%)For 37% of 240:10% of 240 = 24 5% of 240 = 12 1% of 240 = 2.4So, 37% of 240 = 3(24) + 12 + 2(2.4) = 88.8 | Determines a percent increase of a number The price of a T-shirt is $19.99.The sales tax is 13%.What does it cost to buy the shirt?The cost is 113% of $19.99.100% of $19.99 = $19.99. 10% of $19.99 = $1.999 ≈ $2.00 1% of $19.99 ≈ $0.20So, the cost of the T-shirt is about: $19.99 + $2.00 + $0.60 = $22.59  | Determines a percent decrease of a number The price of a pair of sneakers is $39.99.They are on sale for 35% off.What is the cost of the sneakers before tax?The cost is 65% of $39.99.50% of $39.99 ≈ $20.0010% of $39.99 ≈ $4.00 5% of $39.99 ≈ $2.00So, the cost of the sneakers is about:$20.00 + $4.00 + $2.00 = $26.00 |
| **Observations/Documentation** |
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