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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 = 2.4  So, 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 ≈ $0.20  So, 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 ≈ $20.00  10% of $39.99 ≈ $4.00  5% of $39.99 ≈ $2.00  So, the cost of the sneakers  is about:  $20.00 + $4.00 + $2.00 = $26.00 |
| **Observations/Documentation** | | | |
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