Activity 17 Assessment
Using Mental Math to Calculate Percents

Using Mental Math to Calculate Percents

Calculates a benchmark percent	Uses benchmark percents to calculate another percent	Determines a percent increase of a number	Determines a percent decrease of a number
10% of 350 = $\frac{10}{100}$ × 350 = $\frac{1}{10}$ × 350 = 35	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	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	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

Mathology 7
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