Activity 12 Assessment
Working with Fractional Percents
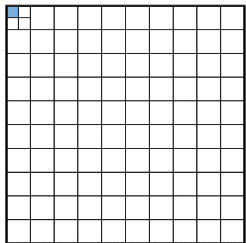
Working with Fractional Percents

Represents a fractional percent between 0% and 1% on a grid	Determines a fractional percent between 0% and 1%	Determines a decimal percent of a number	Solves a problem involving a fractional percent
How could you represent $\frac{1}{4}$% on a hundredths grid? $\frac{1}{4}$% is one-fourth of 1%, so $\frac{1}{4}$% is one-fourth of a square on a hundredths grid. 	What is $\frac{2}{5}$% of 250? 1% of 250 = 250 ÷ 100 　　　　 = 2.5 $\frac{1}{5}$% of 250 = 2.5 ÷ 5 　　　　 = 0.5 So, $\frac{2}{5}$% of 250 = 2 × 0.5 　　　　 = 1	What is 36.5% of 470? 　36.5% = (3 × 10%) + (6 × 1%) + (5 × 0.1%) 　10% of 470 = 47 　 1% of 470 = 4.7 0.1% of 470 = 0.47 So, 36.5% of 470 　= (3 × 47) + (6 × 4.7) + (5 × 0.47) 　= 171.55 Or 　36.5% of 470 = 0.365 × 470 = 171.55	As an incentive to get new customers, a bank offers an interest rate of 3.5% for a set time period. How much would a person earn if they invested $255 for that time? 　3.5% of $255 = 0.035 × $255 ≈ $8.93

Observations/Documentation

Mathology 8
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