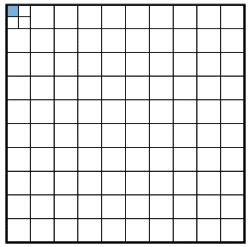
Number

Activity 10 Assessment

Working with Fractional Percents

Working with Fractional Percents			
Represents a fractional percent between 0% and 1% on a grid 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. 	Determines a fractional percent between 0% and 1% 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	Determines a decimal percent of a number 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	Solves a problem involving a fractional percent 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			