

Name _____ Date _____

**Skills Maintenance****Rational Number Conversions****Activity 1**

Fill in the missing parts in the table.

Fraction	Decimal Number	Percent
$\frac{1}{4}$	0.25	
	0.01	1%
$\frac{2}{5}$		40%
$\frac{3}{4}$	0.75	
	0.6	60%
$\frac{1}{8}$		12.5%
	0.001	0.1%
$\frac{4}{8}$		50%



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 **Apply Skills**
More Number Patterns

Activity 1

Use algebra to identify the different divisibility rules. Circle the numbers that apply. Show your work.

1. Which numbers work for $\frac{n}{2}$ and have no remainder?

10 11 12 13 14 15 16 17 18 19 20 21 22

This is the divisibility rule for _____

2. Which numbers work for $\frac{n}{3}$ and $\frac{n}{2}$ and have no remainder?

110 111 112 113 114 115 116 117 118 119 120 121 122

This is the divisibility rule for _____

3. Which numbers work for $\frac{n}{5}$ and have no remainder?

510 511 512 513 514 515 516 517 518 519 520 521 522

This is the divisibility rule for _____

Unit 4

Name _____ Date _____



Problem-Solving Activity

Percent Decrease

Tell which situation had the biggest percent decrease. Find the ratios, then convert them to decimal numbers and percents. Show your work.

1. The sale of homes dropped this year in the Wallington and Sunnyside neighborhoods. Last year, 50 homes were sold in Wallington. This year, 10 fewer homes sold. Last year, 40 homes were sold in the Sunnyside neighborhood. This year, 5 fewer homes sold. Which neighborhood had the biggest percent decrease?

2. Every year, the music industry seems to sell fewer and fewer CDs. This year, they sold 4 million fewer R&B CDs than last year. They also sold 3 million fewer Jazz CDs than last year. They sold 12 million R&B CDs last year and 10 million Jazz CDs this year. Which type of music had the biggest percent decrease? _____

3. People actually get shorter as they grow old. Tyrell and Lamar are twin brothers. At age 50, Tyrell was 70 inches tall. Lamar was 72 inches tall. By age 60, Tyrell was 68 inches tall and Lamar was 69 inches tall. Which brother had the biggest percent decrease?



Reinforce Understanding

Use the mBook *Study Guide* to review lesson concepts.