Number

Activity 12 Assessment

Converting Between Fractions and Decimals

Converting Between Fractions and Decimals			
Writes a terminating decimal as a fraction $0.62 = \frac{62}{100}$	Writes a fraction as a terminating decimal Writes a fraction with denominator of a power of 10: $\frac{7}{8} = \frac{875}{1000} = 0.875$ or divides numerator by denominator: $\frac{7}{8} = 7 \div 8 = 0.875$	Writes a fraction as a repeating decimal Extend a known pattern: $\frac{5}{9} = 0.555\ldots$ because $\frac{1}{9} = 0.111\ldots$ and $\frac{2}{9} = 0.222\ldots$ or divides numerator by denominator: $\frac{5}{9} = 5 \div 9 = 0.555\ldots$	Uses a pattern to write a repeating decimal as a fraction $0.\overline{09} = \frac{1}{11}$ and $9 \times 1 = 9$ $0.\overline{18} = \frac{2}{11}$ and $9 \times 2 = 18$ $0.\overline{27} = \frac{3}{11}$ and $9 \times 3 = 27$ I know that $9 \times 7 = 63$, so $0.\overline{63} = \frac{7}{11}$
Observations/Documentation			