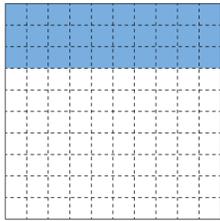


Activity 17 Assessment

Relating Fractions and Decimals

Exploring Decimals

Relates visual representation of decimal with tenths to place value

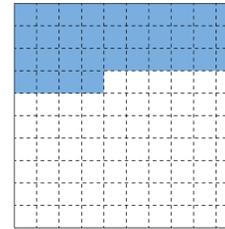


“0.3; the digit in the tenth place is 3 because there are three tenths shaded.”

Compares and orders decimals with tenths using a variety of strategies (e.g., benchmarks, grids)

“1.9 > 1.6: both decimals have 1 whole, so I compare the tenths. Nine tenths is greater than 6 tenths, so 1.9 is greater.”

Relates visual representation of decimal with hundredths to place value



“0.34 represents 3 tenths and 4 hundredths, or 34 hundredths.”

Compares and orders decimals with tenths and/or hundredths using a variety of strategies

“1.35 > 1.19: both decimals have 1 whole, so I compare the tenths. Three tenths is greater than 1 tenth, so 1.35 is greater than 1.19.”

Observations/Documentation

Activity 17 Assessment

Relating Fractions and Decimals

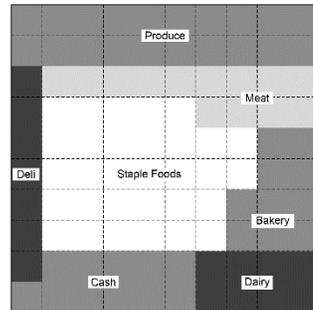
Exploring Decimals (cont'd)

Rounds decimals to the nearest whole number and/or tenth



"2.29 is closer to 2.3 than to 2.2, so I round up to 2.3."

Expresses fractions as decimal numbers and vice versa, limited to tenths and hundredths



"The Dairy section covers $\frac{8}{100}$ or 0.08 of the store."

Expresses the fraction, decimal, and percent representations for the same part-whole relationship

"I know that $\frac{2}{5}$ is the same as four-tenths, which is the same as 0.4, 0.40, and 40%."

Compares percents within 100%

"45%, 89%, 27%: I know that 89% is greater than both 45% and 27%, because 8 tens is greater than both 4 tens and 2 tens."

Observations/Documentation