Activity 16 Assessment
Multiplying Decimals

Multiplying Decimals

Uses whole number strategies to estimate a product	Uses whole number strategies to multiply decimals	Uses estimation to check that the answer to a decimal multiplication problem is reasonable	Uses an appropriate strategy or tool to multiply decimals
8.3×2.4 8.3 is about 8 and 2.4 is about 2, and 8×2 is 16. So, the product is close to 16.	$2.2 \times 2.6 = ?$ I used an array on a grid to show an area model. 26×22 $= 400 + 40 + 120 + 12$ $= 572$ My estimate was 6, so 2.2×2.6 must be 5.72.	$2.2 \times 2.6 = ?$ 2.6×2.2 $= 4 + 0.4 + 1.2 + 0.12$ $= 5.72$ My estimate was 6. Since 5.72 is close to 6, the answer is reasonable.	If rice costs \$3.69/kg, how much would 1.25 kg of rice costs? I used a calculator and got 4.6125. Rounding to the nearest cent, the rice would cost \$4.61.
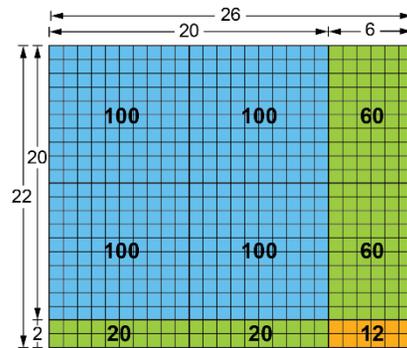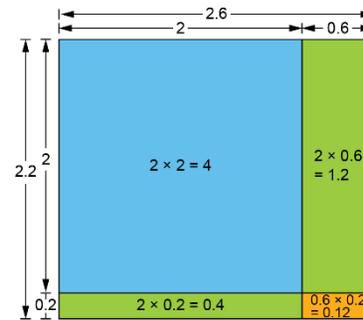
Observations/Documentation