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| **Unit Conversions** | | | |
| Understands the relationship among metric units of length and area    1 m2: $12.99    100 cm2: $10.99  I can visualize a square with 1 m side lengths. Since 1 m = 100 cm,  there are 100 cm2 in just one row  of a square metre. So, 1 m2 has  100 rows of 100 cm2.  1 m2 = 10 000 cm2.  The 1 m2 flag is much larger. | Uses metric relationships to convert from smaller to larger units to solve problems  40 000 cm2 = \_\_\_\_\_\_\_\_ m2  I know 1 m2 = 10 000 cm2.  I can use a ratio table to find  40 000 cm2 = 4 m2. | Uses metric relationships to convert from larger to smaller units to solve problems  5000 cm2 = \_\_\_\_\_\_ mm2  I know 1 cm2 = 100 mm2.  I can use ratios to find 5000 cm2 = 500 000 mm2. | Uses metric relationships to solve problems  A table top has an area of 2 m2. Would 700 square tiles with 5 cm sides be enough to cover  the table top?  I converted the area of table:  2 m2 = 20 000 cm2.  Then, I calculated the area of  the tiles:  5 × 5 × 700 = 17 500 cm2  Since 17 500 cm2 < 20 000 cm2, there are not enough tiles to cover the table top. |
| **Observations/Documentation** | | | |
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