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| **Unit Conversions** |
| Understands the relationship among metric units of length and area 1 m2: $12.99100 cm2: $10.99I 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 problems40 000 cm2 = \_\_\_\_\_\_\_\_ m2I 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 problems5000 cm2 = \_\_\_\_\_\_ mm2I know 1 cm2 = 100 mm2. I can use ratios to find 5000 cm2 = 500 000 mm2. | Uses metric relationships to solve problemsA 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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