**Station Rotation Four Square for Division Problem-Solving**

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| **1**  Sam was baking several batches of chocolate fudge for a bake sale. He only had 4 cups of confectioner’s sugar left. Each batch of chocolate fudge needed cup of confectioner’s sugar. How many batches of fudge could Sam make with this amount of confectioner’s sugar?  Tally:  Equation:  Answer: | **2**  Miranda was sewing pillows for her new couch. Each pillow required yard of fabric. She had 3 yards of fabric. How many pillows could she make?  Equation:  Answer: |
| **3**  Chris wanted to feed his newly planted vegetables. The directions said to mix 1 fluid ounces of plant food for each gallon of water. There were 18 fluid ounces of liquid plant food in the bottle. How many gallons of water are necessary to use all of the plant food?  Tally:  Equation:  Answer: | **4**  *(Work on this square if you finish at a station, and we are not ready to rotate yet.)*  Solve the following problem by drawing a physical model to represent the division problem.  Sandy’s dog eats 1 pounds of dry dog food a day. If Sandy purchases 13 pounds of dry dog food from the bulk counter at the pet store, how many days can Sandy feed her dog?  Equation:  Answer: |

At each station, use the physical model set up to solve the problem. Then record the process below symbolically and write the answer.

**Station Rotation Four Square for Division Problem-Solving - KEY**

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| **1**  Sam was baking several batches of chocolate fudge for a bake sale. He only had 4 cups of confectioner’s sugar left. Each batch of chocolate fudge neededcup of confectioner’s sugar. How many batches of fudge could Sam make with this amount of confectioner’s sugar?  613RC1185  Tally: llll l  Equation: **4 ÷  = 6**  Answer: **6 batches** | **2**  Miranda was sewing pillows for her new couch. Each pillow required yard of fabric. She had 3yards of fabric. How many pillows could she make?    Equation: **3 ÷  = 5**  Answer: **5 pillows** |
| **3**  Chris wanted to feed his newly planted vegetables. The directions said to mix 1fluid ounces of plant food for each gallon of water. There were 18 fluid ounces of liquid plant food in the bottle. How many gallons of water are necessary to use all of the plant food?   |  |  | | --- | --- | | **¤ ¤ ¤ =** 1 | **¤ ¤ ¤ =** 1 | | **¤ ¤ ¤ =** 1 | **¤ ¤ ¤ =** 1 | | **¤ ¤ ¤ =** 1 | **¤ ¤ ¤ =** 1 | | **¤ ¤ ¤ =** 1 | **¤ ¤ ¤ =** 1 | | **¤ ¤ ¤ =** 1 | **¤ ¤ ¤ =** 1 | | **¤ ¤ ¤ =** 1 | **¤ ¤ ¤ =** 1 |   **¤ ¤ ¤ = 3 tablespoons=**1 **fl. oz.**  Tally: llll llll ll  Equation: **18 ÷ 1 = 12**  Answer: **12 gallons** | **4**  *(Work on this square if you finish at a station, and we are not ready to rotate yet.)*  Solve the following problem by drawing a physical model to represent the division problem.  Sandy’s dog eats 1pounds of dry dog food a day. If Sandy purchases 13 pounds of dry dog food from the bulk counter at the pet store, how many days can Sandy feed her dog?  1  1  1  1  1  1      1  1  1  1  Equation: **13 ÷ 1 = 10**  Answer: **10 days** |

At each station, use the physical model set up to solve the problem. Then record the process below symbolically and write the answer.