**Problem-Solving Cards**

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| **1**  A planning committee at the botanical gardens will be creating a water pond with aquatic plants and animals. The pond will hold 28 liters of water. To fill the pond, they will use a liter container. How many containers will be needed to fill the pond? | **2**  At the county fair, of the games are arcade games. Among the arcade games, of them are sports related. What fraction of the games are sports-related arcade games? |
| **3**  You are making a recipe that calls for cup of sugar. If you need to triple the recipe for a school function, how much sugar will be needed? | **4**  Mr. Gracin went looking for a new car. He test drove a car for 12 miles and noticed he used of a gallon of gas. How many miles per gallon does the car get? |
| **5**  One-fourth of the cookies on display had chocolate chips. Two-thirds of the cookies on display had nuts. What fraction of cookies on display had both chocolate chips and nuts? | **6**  An interior designer was painting a room for a client. It took quarts of paint to finish of the room. How many quarts of paint will it take to finish the entire room? |
| **7**  Tryouts for the play were over. The director explained that twelve students were cast for the primary roles. She explained that was of the total number of students who tried out. How many students tried out all together? | **8**  Leah had of a mini pizza. Leah gave of the pizza she had to her friend. What fraction of the whole pizza did Leah give to her friend? |

**Write the corresponding division expression AND the corresponding multiplication expression for each of the problems.**

**Problem-Solving Cards - KEY**

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| **1**  A planning committee at the botanical gardens will be creating a water pond with aquatic plants and animals. The pond will hold 28 liters of water. To fill the pond, they will use a liter container. How many containers will be needed to fill the pond?  **28 ÷ 2**  **= \_\_\_ and \_\_\_ × 2**  **= 28** | **2**  At the county fair, of the games are arcade games. Among the arcade games, of them are sports related. What fraction of the games are sports-related arcade games?  **×**  **= \_\_\_ and \_\_\_ ÷**  **=** |
| **3**  You are making a recipe that calls for cup of sugar. If you need to triple the recipe for a school function, how much sugar will be needed?  **× 3 = \_\_\_ and \_\_\_ ÷**  **= 3** | **4**  Mr. Gracin went looking for a new car. He test drove a car for 12 miles and noticed he used of a gallon of gas. How many miles per gallon does the car get?  **12 ÷**  **= \_\_\_ and \_\_\_ ×**  **= 12** |
| **5**  One-fourth of the cookies on display had chocolate chips. Two-thirds of the cookies on display had nuts. What fraction of cookies on display had both chocolate chips and nuts?  **×**  **= \_\_\_ and \_\_\_ ÷**  **=** | **6**  An interior designer was painting a room for a client. It took quarts of paint to finish of the room. How many quarts of paint will it take to finish the entire room?  **1**  **÷**  **= \_\_\_ and \_\_\_ ×**  **= 1** |
| **7**  Tryouts for the play were over. The director explained that twelve students were cast for the primary roles. She explained that was of the total number of students who tried out. How many students tried out all together?  **12 ÷**  **= \_\_\_ and \_\_\_ ×**  **= 12** | **8**  Leah had of a mini pizza. Leah gave of the pizza she had to her friend. What fraction of the whole pizza did Leah give to her friend?  **×**  **= \_\_\_ and \_\_\_ ÷**  **=** |