

Table 14.1 Progression for Teaching with Equal Shares Story Problems.

Progression	Example Problems
1. Problems whose solutions are whole numbers.	Three children want to fairly share 15 grapes. How many grapes will each child get?
2. Problems with 2, 4, or 8 sharers and whose solutions are mixed numbers (greater than 1).	Two children want to share 5 quesadillas so that everyone gets the same amount. How much will each child get?
3. Problems with 2, 4, or 8 sharers and whose solutions are less than 1.	Four children want to share 3 cookies so that everyone gets the same amount. How much will each child get?
4. Problems with 3 sharers and whose solutions are mixed numbers (greater than 1).	Three children want to share 10 sticks of clay to make clay animals. If everyone gets the same amount, how much does each child get?
5. Problems with 3 sharers and whose solutions are less than 1.	Three children want to equally share 2 pizzas. How much does each child get?

are discrete objects. (Again, these situations are the same as the partition or fair

Type	Examples
1. Whole number solutions	6 brownies shared with 2 kids 8 brownies shared with 2 kids 6 brownies shared with 3 kids
2. 2, 4, 8 sharers with mixed number solutions	Four children are sharing 10 brownies so that each one will get the same amount. How much will each child get? 5 brownies shared with 2 children 5 brownies shared with 4 children
3. 2, 4, 8 sharers with solutions less than 1	2 brownies shared with 4 children 4 brownies shared with 8 children 3 brownies shared with 4 children
4. 3 sharers with mixed number solutions	4 pizzas shared with 3 children 5 pizzas shared with 3 children
5. 3 sharers with solutions less than 1	4 pizzas shared with 6 children

<http://mathlanding.org/content/kids-and-cookies>