

Division Day 9: Word Problems of Equal Share and Equal groups

Lesson Target:

- Apply the knowledge of equal share and equal groups in the word problems
- Use multiplication facts in a division problem
- Compose the word problems and solve them accurately.

Process	Activities/Expected Students' responses	Teacher's Support
Understand the Goal	<p>Review the meaning of Equal Share and Equal groups</p> <p>What information do you need in the division word problems?</p>	<p>Post labeled cards</p> <p># of objects in each group</p> <p># of groups</p> <p># of objects in all</p>
Explore/ Investigate/Solve	<ol style="list-style-type: none"> 1. Label 3 boxes as "Item Box", "# of Objects Box", and "# of Groups Box" 2. Put cards (see below) in each box 3. Pick a card from "Item Box", "# of Objects box", and "# of Groups Box". 4. Model 3 sentences in the word problem with cards you picked; <ul style="list-style-type: none"> • (# of objects in each group) There are 12 oranges. • (# of groups) Josh will put them in 4 baskets equally. • (# of objects in all) How many oranges are in each basket? 2. Use <i>Division Solution Check List</i> to ensure a story includes all elements. 3. Make a word problem by themselves by following steps. 4. Follow a <i>check list</i>. 5. Identify if it's equal share of equal groups 6. Share a word problem with a partner 	<p>Provide</p> <p><i>Division Solution Check List</i> (below)</p>
Conclude	<p>Presentation:</p> <p>Introduce a partner's question and post in the class wall.</p>	

Assessment:

- **Write** questions with 3 clear sentences
- **Solve** division problems by following checklist.
- **Use** multiplication facts in both equal share and equal groups

Cards in "Item Box"

Wheels <i>Cars</i>	Mama Whale <i>Baby Whale</i>	Apples <i>Baskets</i>	Candies <i>Boxes</i>
Rose Bushes <i>Rows</i>	Chairs <i>Rows</i>	Bones <i>Dogs</i>	Pencils <i>Cases</i>
bottles	Juice Boxes	Crayons	Legs

<i>boxes</i>	<i>Packs</i>	<i>Boxes</i>	<i>Monsters</i>
Fish	Balloons	Oranges	Sticker
<i>Tanks</i>	<i>Children</i>	<i>Bags</i>	<i>Sheets</i>
Baseball Cards	Desks	Flowers	Sides
<i>Books</i>	<i>Rows</i>	<i>Bases</i>	<i>Polygo</i> <i>s</i>

Labels on Each Box

Items Box

Number of objects Box

Number of Items

Division Solution Check Sheet

Name: _____ Date: _____

___ Numbers of objects we have are _____

___ Number of objects in each group are

___ Numbers of groups are _____

___ Division Equation _____

___ Supporting Multiplication equation

___ Picture

___ Labeled Answer _____

Division Solution Check Sheet

Name: _____ Date: _____

___ Numbers of objects we have are _____

___ Number of objects in each group are

___ Numbers of groups are _____

___ **Division Equation** _____

___ **Supporting Multiplication equation**

___ **Picture**

___ **Labeled Answer** _____

# of objects of all	# of objects in each group	# of objects of all	# of objects in each group	# of objects of all	# of objects in each group
12	3	12	4	12	6
# of objects of all	# of Groups	# of objects of all	# of Groups	# of objects of all	# of Groups
15	3	15	5	14	2
# of objects of all	# of objects in each group	# of objects of all	# of objects in each group	# of objects of all	# of objects in each group
14	7	8	2	8	4
# of objects of all	# of Groups	# of objects of all	# of Groups	# of objects of all	# of Groups
16	8	16	2	16	4