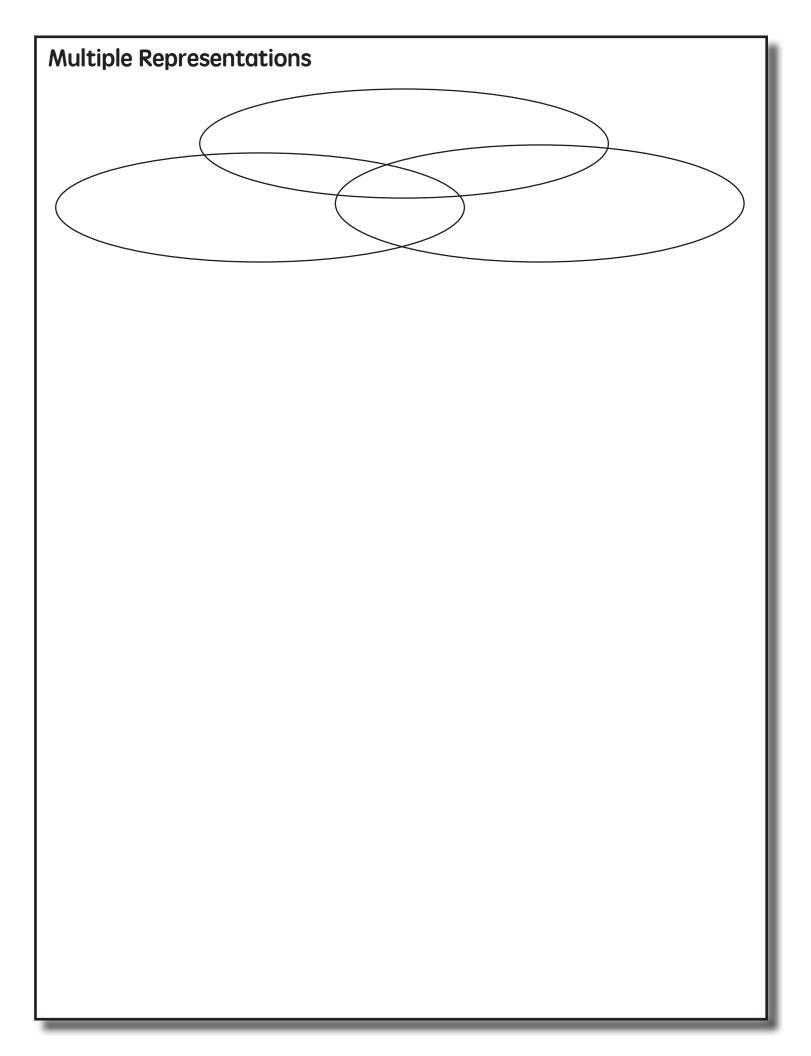


| E> | Explicit Instruction | | | |
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| Y | Your Example | | | | |
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Mathematical Language Instead of that... Say this...



| Fractions | | | | |
|----------------|--------------|------|-----|--|
| Three Mode | Three Models | | | |
| Fraction | Length | Area | Set | |
| <u>2</u> 3 | | | | |
| <u>1</u> 4 | | | | |
| $1\frac{1}{2}$ | | | | |
| <u>3</u> 7 | | | | |
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| Improper Fractions and Mixed Numbers | | |
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| Equivalent Fractions | | |
| | - | |
| $\frac{1}{2}$ | <u>1</u> 4 | |
| | - | |
| | | |
| | | |
| Comparing Fractions | | |
| $\frac{1}{3}$ | 2 4 | $\frac{2}{3} \frac{2}{5}$ |
| 2 10 | 6 6 | 35 |
| | | |
| | | |
| Ordering Fractions | | |
| Ordering Fractions | | |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | |
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| Fluency | | |
|----------------|-------------|--|
| Addition | Subtraction | |
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| Multiplication | Division | |
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| Problem Solving | | |
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| Three Things to Remember | | |
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| Attack Strategies | | |
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| Graphic organizer | | | | |
|-------------------|---------------|--------------------|----------------------|----------------------|
| Equation | | | | |
| | | Lesser unknown | Change unknown | Change unknown |
| Examples | Part unknown | Greater unknown | Start unknown | Start unknown |
| | Total unknown | Difference unknown | End unknown | End unknown |
| Definition | | | | |
| Problem type | Total | Difference | Change (increase) | Change (decrease) |

Additive Word Problems

| Additive Word Problems | | |
|---|--|--|
| A. Megan baked 28 sugar cookies and 24 chocolate chip cookies. Enter the total number of cookies Megan baked in all. | B. A banana farm received a total of 12 millimeters of rain in March and April. If 11 millimeters of rain fell on the farm in March, how many millimeters of rain fell on the farm in April? | |
| C. Jana has 107 wooden beads and 68 glass beads. How many more wooden beads than glass beads does Jana have? | D. Farmer Hank has 6 more cows than horses. He has 4 horses. He also has 9 chickens. How many cows does he have? | |

| Additive Word Problems | | |
|---|---|--|
| E. A bus had 13 passengers. At the next stop, more passengers got on the bus. Now, there are 28 passengers. How many passengers got on the bus? | F. Martina had some money. Then, she spent \$42 on a sweater. Now, she has \$13. How much money did she have to start with? | |
| G.The animal park has 12 zebras, 25 monkeys, and some giraffes. If the total number of animals is 50, how many giraffes are there? | H. Mrs. Lanier saved \$617 in January. In February, she spent \$249 of the money she saved. She saved \$291 more in March. How much has Mrs. Lanier saved by the end of March? | |

Multiplicative Word Problems

| | r | Multiplicative wo | | |
|----------------------|--------------|-------------------|--------------|---------------------------|
| Graphic organizer | | | | |
| Equation | | | | |
| Examples | | | | |
| Exar | | | | |
| Definition | | | | |
| Problem type | Equal Groups | Comparison | Combinations | Ratios and Proportions |

| Multiplicative Word Problems | | |
|---|---|--|
| A. | B. | |
| Ms. Thompson sold 6 cartons of cherries at the | Jane bought 24 light bulbs. The light bulbs come | |
| Farmers' Market. Each carton holds 25 cherries. | in packs of 4. How many packs of light blubs did | |
| How many cherries did she sell? | Jane buy? | |
| C. | D. | |
| Isabella has 2 times as many DVDs as Emma. | Susan has 3 times as many books as Mary. Mary has | |
| Emma has 6 DVDs. How many DVDs does Isabella | 18 books. Which equation can be solved to figure | |
| have? | out how many books Susan has? | |

| Multiplicative Word Problems | |
|---|--|
| E. There are 176 slices of bread in 8 loaves. If there are the same number of slices in each loaf, how many slices of bread are in 5 loaves? | F. A sea turtle made 460 dives in 12 hours. At this rate, how many dives did the sea turtle make in 3 hours? |
| | |

| Adaptations | |
|------------------------------------|--|
| Implement with greater fidelity | |
| Embed behavioral supports | |
| Increase dosage | |
| Adapt mathematics content | |
| Utilize explicit instruction | |
| Explicitly teach transfer | |