## SITUATIONS FOR THE OPERATIONS

ADDITION AND SUBTRACTION SITUATIONS

| Join | Separate | Compare | Part-Part-Whole |
| :--- | :--- | :--- | :--- | :--- | \left\lvert\, | Story is about |
| :--- |
| something being |
| removed from the |
| original amount. |$\quad$| Story is about |
| :--- |
| quantities. |
| something being |
| added to an original |
| amount. |$\quad$| Story is about |
| :--- |
| combining different |
| types of objects. |\right.

## MULTIPLICATION AND DIVISION SITUATIONS

| Equal Groups | Area/Array | Compare | Combinations |
| :---: | :---: | :---: | :---: |
| Story is about a quantity of samesized grouped amount. | Story is about a quantity of equallength rows. | Story compares two quantities multiplicatively. | Story is about finding how many pairings are possible (and beyond). |
| Ex: AJ has $\qquad$ stacks of books. Each stack has $\qquad$ books. <br> She has a total of $\qquad$ books. | AJ has $\qquad$ books on each shelf. She has $\qquad$ shelves. <br> She has a total of $\qquad$ books. | AJ has $\qquad$ books. <br> Ian has $\qquad$ books. <br> AJ has $\qquad$ times more books than Ian. | AJ has $\qquad$ books and $\qquad$ magazines. She takes one of each to school. There are $\qquad$ different combinations. |

[^0]
[^0]:    Retrieved from the companion website for Figuring Out Fluency in Mathematics Teaching and Learning, Grades K-8: Moving Beyond Basic Facts and Memorization by Jennifer M. Bay-Williams and John J. SanGiovanni. Thousand Oaks, CA: Corwin, www.corwin.com. Copyright © 2021 by Corwin Press, Inc. All rights reserved. Reproduction authorized for educational use by educators, local school sites, and/or noncommercial or nonprofit entities that have purchased the book.

