
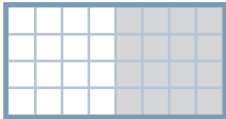


About the Mathematics in This Unit

Dear Family,

Our class is starting a new mathematics unit about multiplication and division called Understanding Equal Groups. During this unit, students develop an understanding that we use multiplication to combine a number of equal groups and that we use division to split a quantity into equal groups. By the end of Grade 3, it is expected that students will be fluent with multiplication combinations up to 10×10 .

Throughout the unit, students work toward the following goals:

| BENCHMARKS/GOALS | EXAMPLES |
|---|--|
| Demonstrate an understanding of multiplication and division as involving equal groups. |  <p>Here are 3 stars. Each star has 5 points. There are 15 points in all. $3 \times 5 = 15$</p> |
| Solve multiplication and related division problems using skip counting or known multiplication facts. | <p>Ms. Wilson's class is counting around the class by 4s. What number will the 8th student say?</p> <p>4, 8, 12, 16, 20, 24, 28, 32</p>  <p>$4 \times 8 = (4 \times 4) + (4 \times 4)$ $4 \times 8 = 16 + 16$ $4 \times 8 = 32$</p> |
| Interpret and use multiplication and division notation. | <p>There are 35 flowers. Gina wants to put them in bouquets of 5 flowers each. She can make 7 bouquets.</p> <p>$35 \div 5 = 7$</p> |

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| BENCHMARKS/GOALS | EXAMPLES |
|--|--|
| Demonstrate fluency with the $\times 1$, $\times 2$, $\times 5$ and $\times 10$ multiplication combinations. | <div style="border: 1px dashed gray; padding: 20px; text-align: center;">5×6 Start with _____</div> |

This unit is the first of three units in Grade 3 that focus on multiplication and division. Later this year, students will solve multiplication and division problems with larger numbers.

In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. It is most important that children accurately and efficiently solve math problems in ways that make sense to them. At home, encourage your child to explain his or her math thinking to you. Please look for more information and activities about equal groups that will be sent home in the coming weeks.