About the Mathematics in This Unit

Dear Family,

Our class is starting a new unit about multiplication and division called *Multiple Towers and Cluster Problems*. During this unit, students will build on the work they did in Unit 1. Students will be solving multiplication problems with 2-digit numbers, division word problems, and problems about multiples and number relationships.

Throughout the unit, students work toward these goals:

Benchmarks/Goals	Examples
Multiply 2-digit numbers by 1-digit and small 2-digit numbers (e.g., 12, 15, 20) using strategies that involve breaking the numbers apart.	$\begin{array}{r} 37 \\ \times\ 6 \\ \hline \end{array}$ 37 → 30 7 6 | 6×30 | 6×7 $6 \times 37 = (6 \times 30) + (6 \times 7)$ $6 \times 37 = 180 + 42$ $6 \times 37 = 222$
Solve division problems (2-digit and small 3-digit numbers divided by 1-digit numbers), including some that result in a remainder.	There are 52 people taking a trip. Each van holds 8 people. How many vans do they need? $52 \div 8$ is 6 R4. They need 7 vans. 🚐8 🚐8 🚐8 🚐8 🚐8 🚐8 🚐4
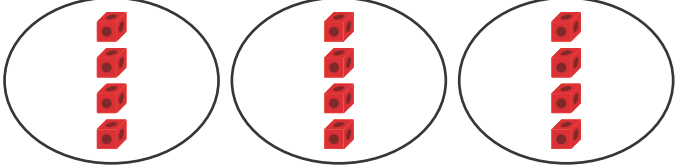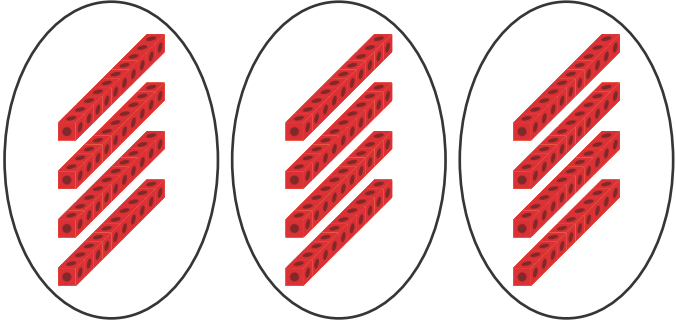
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Benchmarks/Goals	Examples
Multiply a number by a multiple of 10.	3×4 3×40 $3 \times 40 = 3 \times 4 \times 10 = 12 \times 10 = 120$

Students will work on multiplication and division again later this year in Unit 7, when they will solve problems with larger numbers and share a variety of solution strategies.

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 Unit 3 that will be sent home in the coming weeks.