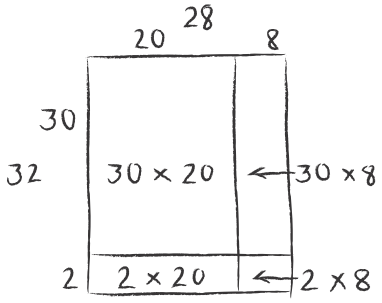
NAME DATE

About the Mathematics in This Unit

Dear Family,

Our class is starting a new mathematics unit about multiplication and division called *How Many Packages and Groups?*. In this unit, students build on the work they did in Unit 3. Students solve multiplication and division problems with larger numbers and share a variety of solution strategies.

Throughout the unit, students work toward these goals:

Benchmarks/Goals	Examples
Multiply two 2-digit numbers and up to a 4-digit number by a 1-digit number.	The Sunshine Fruit Company sells apples in boxes that hold 28 apples. Sam Brown ordered 32 boxes for his grocery store. How many apples does Mr. Brown have to sell?  32 × 28 30 × 20 = 600 2 × 20 = 40 30 × 8 = 240 2 × 8 = 16 600 + 40 + 240 + 16 = 896
Solve division problems with up to 4-digit dividends and 1-digit divisors.	1,004 children signed up to play in the Smith City youth basketball league. 8 children will be placed on each team. How many teams of 8 players will there be? 1,004 ÷ 8 8 × 100 = 800 (1,004 − 800 = 204) 8 × 20 = 160 (204 − 160 = 44) 8 × 5 = 40 100 + 20 + 5 = 125 125 teams with 4 left over players.

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Benchmarks/Goals	Examples
Solve measurement and conversion problems.	Amelia is running a 3-kilometer race. She has run 575 meters so far. How much farther does she need to run to finish the race? (There are 1,000 meters in a kilometer.)

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 *How Many Packages and Groups?* that will be sent home in the coming weeks.