Multiplying Multi-Digit Numbers Parent Unit Summary

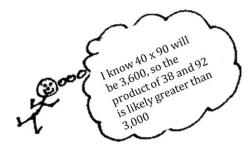
In this u		rching Student Lea vill work to build an ur	rning Goals nderstanding of the following:	 Resources/Tasks to support your child at home. Use at least 2 different strategies to find the product of 34 x 23. How do the different strategies relate? Look at this strategy that was started how does it connect to the standard algorithm for multiplication? 34 × 23 30 4 30 4 30 4 30 4 30 4 30 4 30 4 3
-		-	tiplication of multi-digit nultiplication strategies.	
10 6	500	2 Partial Products 10×2 20 6×2 12 $10 \times 2 = 20$ $6 \times 50 = 300$ $6 \times 2 = 12$ 500 300 + 12 832 $+ (6 \times 2)$	52 <u>X 16</u> 312 <u>+ 520</u> 832	
Use the sta	Use the standard algorithm for multiplication of multi-digit numbers.			Provide multiple opportunities for your child to practice:
F	ind the prod	uct:	⁴ ¹ 3 4 6	376 26 263 9,246 35,082 x 8 x 28 x 37 x 14 x 62
	423 <u>x 79</u>		$ \begin{array}{r} x & 9 & 2 \\ \overline{6 & 9 & 2} \\ 3 & 1 & 1 & 4 & 0 \\ \overline{3 & 1,8 & 3 & 2} \end{array} $	Have your child describe the steps to the standard algorithm with place value. Example: 376 x 8, "First I multiply 6 ones and 8 ones to get 48. Since there are 4 tens in 48, I'll regroup them to the tens place"
				 Khan Academy Video: Using the standard algorithm for multi- digit multiplication <u>https://goo.gl/NnfzoL</u>

For more information on the learning goals and your child's progress, please contact your child's teacher.

Grade 5

Use estimation to determine the reasonableness of products.

Will 38 × 92 be more than or less than 3,000?



- The shirt store sells shirts in whole dollar amounts starting at \$5.00. If you were going to buy 82 of the same t-shirts for the 5th grade class and you could spend up to \$1100, what is the most you could spend on one shirt?
- Use estimation to explain how you know there is an error in the equation below:

32 x 84 = 393

• Khan Academy Video: Example of using estimation to find a near product <u>https://goo.gl/YCg538</u>

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