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Start Quick and Ramp It Up! 3rd Grade Multiplication & Division

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TABLE OF STANDARDS

The activities in **Multiplication and Division, Grade 3** address the following standards.

What mathematical concepts will we be learning? Content Standards		Activity
(3.4)	Number and operations. The student applies mathematical process standards to develop and use strategies and methods for whole number computations in order to solve problems with efficiency and accuracy. The student is expected to:	
3.4D	determine the total number of objects when equally sized groups of objects are combined or arranged in arrays up to 10 by 10; Supporting Standard	1 , 2 , 3 , 4 , 5
3.4E	represent multiplication facts by using a variety of approaches such as repeated addition, equal-sized groups, arrays, area models, equal jumps on a number line, and skip counting; Supporting Standard	2 , 4 , 5
3.4F	recall facts to multiply up to 10 by 10 with automaticity and recall the corresponding division facts; Supporting Standard	1 , 2 , 4 , 5 , 6 , 7 , 8 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18 , 19 , 20 , 21 , 22 , 23 , 24 , 25 , 26
3.4G	use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number. Strategies may include mental math, partial products, and the commutative, associative, and distributive properties; Supporting Standard	12 , 13 , 14 , 15 , 16 , 17 , 24 , 25
3.4H	determine the number of objects in each group when a set of objects is partitioned into equal shares or a set of objects is shared equally; Supporting Standard	1 , 18 , 19 , 20 , 21 , 22
3.4K	solve one-step and two-step problems involving multiplication and division within 100 using strategies based on objects; pictorial models, including arrays, area models, and equal groups; properties of operations; or recall of facts. Readiness Standard	2 , 4 , 5 , 19 , 21 , 22 , 23 , 24 , 25 , 26
(3.5)	Algebraic reasoning. The student applies mathematical process standards to analyze and create patterns and relationships. The student is expected to:	
3.5D	determine the unknown whole number in a multiplication or division equation relating three whole numbers when the unknown is either a missing factor or product; Supporting Standard	1 , 18 , 20
3.5E	represent real-world relationships using number pairs in a table and verbal descriptions. Readiness Standard	5 , 22