

# MATHeMENTALS 3

Developing Computational Fluency

CORRELATION TO TEKS (TEXAS ESSENTIAL KNOWLEDGE AND SKILLS FOR MATHEMATICS) GRADE 3

## HEADQUARTERS

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EDUCATION

		Expectation: The student is expected to...	Pages
Number, Operation, and Quantitative Reasoning	(3.1) The student uses place value to communicate about increasingly large whole numbers in verbal and written form, including money.	(A) use place value to read, write (in symbols and words), and describe the value of whole numbers through 999,999	Warm Up & Work Out Sets: 1-30
	(3.3) The student adds and subtracts to solve meaningful problems involving whole numbers.	(A) model addition and subtraction using pictures, words, and numbers	Warm Up & Work Out Sets: 1-16
		(B) select addition or subtraction and use the operation to solve problems involving whole numbers through 999.	Warm Up & Work Out Sets: 1-16
	(3.4) The student recognizes and solves problems in multiplication and division situations.	(A) learn and apply multiplication facts through the tens using concrete models.	Warm Up & Work Out Sets: 19, 21-24
		(B) solve and record multiplication problems (one-digit multiplier)	Warm Up & Work Out Sets: 17-25
		(C) use models to solve division problems and use number sentences to record the solutions.	Warm Up & Work Out Sets: 26-30
Patterns, Relationships, and Algebraic Thinking	(3.6) The student uses patterns to solve problems.	(B) identify patterns in multiplication facts using concrete objects, pictorial models, or technology.	Warm Up & Work Out Sets: 17-25
		(C) identify patterns in related multiplication and division sentences (fact families) such as $2 \times 3 = 6$ , $3 \times 2 = 6$ , $6 \div 2 = 3$ , $6 \div 3 = 2$ .	Warm Up & Work Out Sets: 26-27
Underlying Processes and Mathematical Tools	(3.16) The student communicates about Grade 3 mathematics using informal language.	(B) explain and record observations using objects, words, pictures, numbers, and technology.	Warm Up & Work Out Sets: 1-30
		(B) relate informal language to mathematical language and symbols.	Warm Up & Work Out Sets: 2, 3, 10-12, 17-21
	(3.17) The student uses logical reasoning to make sense of his or her world.	(A) make generalizations from patterns or sets of examples and nonexamples.	Warm Up & Work Out Sets: 1-30
		(B) justify why an answer is reasonable and explain the solution process.	Warm Up & Work Out Sets: 1-30