

A Correlation of

SCOTT FORESMAN ■ ADDISON WESLEY

Mathematics

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to the

Milwaukee Mathematics Learning Targets Grades K-5



G/M-231

Introduction

This document demonstrates the high degree of success students will achieve when using **Scott Foresman – Addison Wesley Mathematics** in meeting the objectives of the Milwaukee Mathematics Learning Targets. Correlation page references are to the Teacher’s Edition. Lessons in the Teacher’s Edition contain facsimile Student Edition and ancillary pages.

Scott Foresman – Addison Wesley Mathematics was carefully developed to reflect the specific needs of students and teachers at every grade level, while maintaining an overall primary goal: to have math make sense from every perspective. This program is based on scientific research that describes how children learn mathematics well and on classroom-based evidence that validates proven reliability.

● Reaching All Learners

Scott Foresman – Addison Wesley Mathematics addresses the needs of every student through structured instruction that makes concepts easier for students to grasp. Lessons provide step-by-step examples that show students how to think about and solve the problem. Built-in leveled practice in every lesson allows the teacher to customize instruction to match students’ abilities. Reaching All Learners, featured in the Teacher Edition, helps teachers meet the diverse needs of the classroom with fun and stimulating activities that are easy to incorporate directly into the lesson plan.

● Test Prep

Scott Foresman - Addison Wesley Mathematics builds understanding through connections to prior knowledge, math strands, other subjects and the real world. It provides practice for maximum results and offers assessment in a variety of ways. Besides carefully placed reviews at the end of each Section, an important Test Prep strand runs throughout the program. Writing exercises prepare students for open-ended and short-or extended-response questions on state and national tests. Spiral review in a test format help students keep their test-taking skills sharp.

● Priority on problem solving:

Problem-solving instruction is systematic and explicit. Reading connections help children with problem-solving skills and strategies for math. Reading for Math Success encourages students to use the reading skills and strategies they already know to solve math problems.

● Instructional Support

In the Teacher Edition, the Lesson Planner provides an easy, at-a-glance planning tool. It identifies objectives, math understandings, focus questions, vocabulary, and resources for each lesson in the chapter. Professional Development at the beginning of each chapter in the Teacher Edition includes a Skills Trace as well as Math Background and Teaching Tips for each section in the chapter.

Ancillaries help to reach all learners with practice, problem solving, hands-on math, language support, assessment and teacher support. Technology resources for both the student and the teacher provide a whole new dimension to math instruction by helping to create motivating and engaging lessons.

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**Scott Foresman – Addison Wesley Mathematics
to the
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Kindergarten**

- **Count and keep track of sets of objects up to 20. They may either count each one of the objects or start with a known number of objects and count on from that number.**

53A-53B, 53-54, 57A-57B, 57-58, 77A-77B, 77-78, 79A-79B, 79-80, 83A-83B, 83-84, 103A-103B, 103-104

- **Connect the number and the word for the number with the correct quantity.**

55A-55B, 55-56, 59A-59B, 59-60, 71A-71B, 71-72, 81A-81B, 85A-85B, 85-86

- **Compare groups of objects to determine which is bigger and which is smaller.**

63A-63B, 63-64

- **Solve problems by using objects to find combinations of numbers up to six: $0+6$, $2+4$, $3+3$, $5+1$.**

225A-225B, 225-226, 227A-227B, 227-228, 233A-233B, 233, 234, 235A-235B, 235-236, 239A-239B, 239, 241-242

- **Sort and compare objects and shapes.**

11A-11B, 11-12, 13A-13B, 13-14, 15A-15B, 15-16, 17A-17B, 17-18, 19A-19B, 19-20, 47B, 47

- **Compare and order objects by length, weight, and mass.**

135A-135B, 135-136, 137A-137B, 137-138, 149A-149B, 149-150, 157, 158

- **Survey classmates with simple questions; for example, create “yes/no” questions, and report the results.**

33A-33B, 33-34, 47A-47B, 47, 49

- **Recognize patterns of color and shape, and find patterns in their world.**

37A-37B, 37-38, 39A-39B, 39-40, 41A-41B, 41-42, 43A-43B, 43-44

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to the
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Grade One**

- **Know and use combinations of numbers through 10 and their corresponding subtraction combinations; for example: $5+4=9$, $9-5=4$.**

11A-11B, 11-12, 13A-13B, 13-14, 15A-15B, 15-16, 17A-17B, 17-18, 21A-21B, 21-22, 91A-91B, 91-92, 93A-93B, 93-94, 95A-95B, 95-96, 97A-97B, 97-98, 103A-103B, 103-104, 105A-105B, 105-106, 107A-107B, 107-108, 125A-125B, 125-126, 127A-127B, 127-128, 129A-129B, 129-130, 137A-137B, 137-138, 139A-139B, 139-140, 141A-141B, 141-142

- **Solve problems and record ways to add and subtract numbers to 20 including problems with nickels, dimes, and pennies.**

45A-45B, 45-46, 47A-47B, 47-48, 49A-49B, 49-50, 51A-51B, 51-52, 53A-53B, 53-54, 55A-55B, 55-56, 61A-61B, 61-62, 63A-63B, 63-64, 65A-65B, 65-66, 67A-67B, 67-68, 69A-69B, 69-70, 71A-71B, 71-72, 75A-75B, 75-76, 77A-77B, 77-78, 79A-79B, 79-80, 99A-99B, 99-100, 111A-111B, 111-112, 113A-113B, 113-114, 133A-133B, 133-134, 143A-143B, 143-144, 145A-145B, 145-146, 349-350, 351A-351B, 351-352, 355, 362, 417A-417B, 417-418, 419A-419B, 419-420, 425A-425B, 425-426, 435A-435B, 435-436, 437A-437B, 437-438, 439A-439B, 439-440

- **Sort and describe the characteristics of objects and shapes.**

157A-157B, 157-158, 159A-159B, 159-160, 161A-161B, 161-162, 163, 165A-165B, 165-166, 167A-167B, 167-168

- **Use nonstandard units to measure objects; for example, paper clips, blocks, pencils.**

365A-365B, 365-366, 369A-369B, 369-370, 371A-371B, 371-372, 373A-373B, 373-374, 375A-375B, 375-376, 389A-389B, 389-390, 397A-397B, 397-398

- **Collect data to answer questions about themselves and their world. Organize data, use numbers or pictures to represent the data, and describe the results.**

177A-177B, 177-178, 251A-251B, 251-252, 307A-307B, 307-308, 309A-309B, 309-310, 311A-311B, 311-312, 313A-313B, 313-314, 315A-315B, 315-316, 317A-317B, 317-318, 319A-319B, 319-320, 339A-339B, 339-340, 353A-353B, 353-354, 431A-431B, 431-432, 481A-481B, 481-482

- **Create, describe, and extend patterns. Identify the repeating unit in a pattern that uses a series of numbers, letters, or pictures.**

3A-3B, 3-4, 5A-5B, 5-6, 7A-7B, 7-8, 33A-33B, 33-34, 177A-177B, 177-178, 255A-255B, 255-256, 257A-257B, 257-258, 261A-261B, 261-262, 269A-269B, 269-270

- **Record ways to solve problems using objects, pictures, words, numbers, or mathematical symbols.**

7A-7B, 7-8, 21A-21B, 21-22, 33A-33B, 33-34, 57A-57B, 57-58, 71A-71B, 71-72, 79A-79B, 79-80, 99A-99B, 99-100, 111A-111B, 111-112, 113-113B, 113-114, 133A-133B, 133-134, 143A-143B, 143-144, 145A-145B, 145-146, 177A-177B, 177-178, 191A-191B, 191-192, 193A-193B, 193-194, 215A-215B, 215-216, 223A-223B, 223-224, 229A-229B, 229-230, 251A-251B, 251-252, 261A-261B, 261-262, 269A-269B, 269-270, 291A-291B, 291-292, 317A-317B, 317-318, 319A-319B, 319-320, 339A-339B, 339-340, 351A-351B, 351-352, 353A-353B, 353-354, 369A-369B, 369-370, 379A-379B, 379-380, 405A-405B, 405-406, 431A-431B, 431-432, 445A-445B, 445-446, 447A-447B, 447-448, 467A-467B, 467-468, 481A-481B, 481-482, 483A-483B, 483-484

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Grade Two**

- **Use strategies to add numbers up to 20; for example, using doubles and making 10. Be able to solve the related subtraction combinations.**

23A-23B, 23-24, 25A-25B, 25-26, 27A-27B, 27-28, 29A-29B, 29-30, 31A-31B, 31-32, 43A-43B, 43-44, 45A-45B, 45-46, 47A-47B, 47-48, 51A-51B, 51-52, 53A-53B, 53-54, 61A-61B, 61-62, 63A-63B, 63-64, 65A-65B, 65-66

- **Explain strategies for solving word problems, including problems with money, using numbers up to 100.**

9A-9B, 9-10, 19A-19B, 19-20, 31A-31B, 31-32, 57A-57B, 57-58, 67A-67B, 67-68, 69A-69B, 69-70, 89A-89B, 89-90, 105A-105B, 105-106, 123A-123B, 123-124, 155A-155B, 155-156, 161A-161B, 161-162, 163A-163B, 163-164, 189A-189B, 189-190, 197A-197B, 197-198, 199A-199B, 199-200, 221A-221B, 221-222, 233A-233B, 233-234, 235A-235B, 235-236, 251A-251B, 251-252, 265A-265B, 265-266, 279A-279B, 279-280, 311A-311B, 311-312, 327A-327B, 327-328, 329A-329B, 329-330, 351A-351B, 351-352, 377A-377B, 377-378, 379A-379B, 379-380, 405A-405B, 405-406, 413A-413B, 413-414, 415A-415B, 415-416, 439A-439B, 439-440, 453A-453B, 453-454, 455A-455B, 455-456, 479A-479B, 479-480, 487A-487B, 487-488, 489A-489B, 489-490

- **Predict the results of putting together and cutting apart shapes; for example, know that cutting a square diagonally results in two triangles.**

255A-255B, 255-256

- **Measure using a ruler and other measurement tools. Make comparisons in size between two objects. Estimate size.**

341A-341B, 341-342, 343A-343B, 343-344, 345A-345B, 345-346, 347A-347B, 347-348, 351A-351B, 351-352, 353A-353B, 353-354, 355A-355B, 355-356, 357A-357B, 357-358, 359A-359B, 359-360, 361, 363A-363B, 363-364, 365A-365B, 365-366, 367A-367B, 367-368, 379A-379B, 379-380

- **Compare and estimate how long activities take by reading both digital and analog clocks.**

297A-297B, 297-298, 299A-299B, 299-300, 307, 309

- **Ask questions, collect and organize information, and discuss the data. Make statements to answer the questions that describe parts of the data in relation to the whole data set; for example, graph and discuss the number of hours each classmate watches TV in a week.**

311A-311B, 311-312, 313A-313B, 313-314, 315A-315B, 315-316, 319A-319B, 319-320, 321A-321B, 321-322, 323A-323B, 323-324, 325A-325B, 325-326, 327A-327B, 327-328, 405-406, 439A-439B, 439-440

- **Describe how repeating and growing patterns change and are generated; for example, build a growing staircase that begins with one block and adds two more blocks for each step.**

26, 89A-89B, 89-90, 99A-99B, 99-100, 157A-157B, 157-158, 260, 408, 413A-413B, 413-414

- **Understand and use mathematical symbols; for example, know that the equal sign in $9+7=8+8$ shows that both sides equal the same amount.**

5A-5B, 5-6, 7-8, 9A-9B, 9-10, 11, 17A-17B, 17-18, 19A-19B, 19-20, 21, 91A-91B, 91-92, 93, 399A-399B, 399-400, 403

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Grade Three**

- **Explain ways to use place value (ones, tens, hundreds, thousands) to add and subtract larger numbers.**

126A-126B, 126-127, 128A-128B, 128-131, 132-135, 136A-136B, 136-139, 146A-146B, 146-147, 148A-148B, 148-149, 150A-150B, 150-151, 152A-152B, 152-155, 156A-156B, 156-157

- **Write multiplication and division word problems. Estimate answers. Draw pictures or use objects to solve word problems.**

266A-266B, 266-267, 284A-284B, 284-285, 294A-294B, 294-295, 296-297, 298-299, 302-303, 348-349, 374A-374B, 374-377, 380A-380B, 380-381, 382-383, 404A-404B, 404-405, 406A-406B, 406-407, 408, 409

- **Understand that multiplication is the combining of equal groups. Show an understanding of this idea using pictures or objects.**

260A-260B, 260-261, 262A-262B, 262-265, 266A-266B, 266-267, 612A-612B, 612-615, 626A-626B, 626-629

- **Use strategies to solve multiplication facts up to five.**

276A-276B, 276-277, 278-279, 280A-280B, 280-281, 286A-286B, 286-287, 292A-292B, 292-293, 296-297, 302-303, 306-307, 310-311, 312-313, 328A-328B, 328-329, 336-337, 340A-340B, 340-341

- **Compare and describe characteristics of shapes and structures in their environment.**

428A-428B, 428-431, 433, 448, 450A-450B, 450-453, 454A-454B, 454-455

- **Predict and describe the result of changing a shape by flipping or turning it.**

456A-456B, 456-459, 460A-460B, 460-461, 476A-476B, 476-477

- **Use, read, and interpret measuring tools in both the metric and the commonly used U.S. system of measurement.**

464A-464B, 464-465, 468A-468B, 468-471, 472A-472B, 472-473, 532A-532B, 532-533, 534A-534B, 534-535, 536A-536B, 536-537, 538A-538B, 538-539, 582A-582B, 582-583, 584A-584B, 584-587, 680A-680B, 680-683, 684A-684B, 684-685, 690A-690B, 690-693, 694A-694B, 694-695, 696A-696B, 696-697

- **Tell time using both digital and analog clocks. Estimate the duration of a lapse in time in everyday situations.**

192A-192B, 192-195, 196A-196B, 196-197, 198A-198B, 198-199, 200A-200B, 200-201, 688A-688B, 688-689

- **Identify the range and places where the data is grouped, and discuss how this relates to the whole data set and what it tells us about our life.**

208A-208B, 208-210, 211

- **Discuss probability, meaning the chance that something can happen in everyday life, using terms such as certain, impossible, and equally likely.**

700A-700B, 700-701, 702A-702B, 702-703, 704A-704B, 704-707, 708A-708B, 708-709, 710A-710B, 710-711

- **Describe geometric and numeric patterns. Make statements about the rules that patterns follow.**

8A-8B, 8-9, 24A-24B, 24-27, 72A-72B, 72-73, 140A-140B, 140-142, 270A-270B, 270-273, 332A-332B, 332-335, 340A-340B, 340-341, 344A-344B, 344-345, 449, 578A-578B, 578-579, 588A-588B, 588-589

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Grade Four**

- **Use strategies in real-world situations to solve multiplication and division problems that have factors 1 through 9.**

128A-128B, 128-131, 132A-132B, 132-135, 144, 145, 146A-146B, 146-147, 148A-148B, 148-149, 150A-150B, 150-151, 152-153, 154A-154B, 154-155, 156A-156B, 156-157, 158

- **Use simple fractions ($\frac{1}{4}$, $\frac{1}{2}$) and commonly used decimals (0.5, 0.25) to represent quantities. Use various ways to compare, add, and subtract them; for example, draw diagrams or use objects.**

28A-28B, 28-29, 34A-34B, 34-37, 76A-76B, 76-79, 80A-80B, 80-81, 500A-500B, 500-501, 502A-502B, 502-503, 504A-504B, 504-507, 514, 515, 516A-516B, 516-517, 518-519, 522A-522B, 522-523, 564A-564B, 564-567, 574A-574B, 574-575, 576-577, 642A-642B, 642-645,

- **Describe, compare, and classify two- and three-dimensional figures, such as triangles/pyramids, squares/cubes, and circles/spheres.**

434A-434B, 434-437, 438A-438B, 438-439, 444A-444B, 444-447, 458A-458B, 458-459, 460A-460B, 460-461

- **Use coordinates, which are points, to specify locations and to represent simple figures; for example, given a grid and four coordinates, find the position of the coordinates and connect them to make a square.**

212A-212B, 212-213, 214-215, 238-239, 240, 242-243, 245

- **Estimate measurements; for example, about how long, how big, how heavy. Measure objects to specific units; for example, measure to the nearest centimeter or half-inch. Find area and perimeter of figures.**

464A-464B, 464-467, 468A-468B, 468-471, 472-473, 476A-476B, 476-477, 588A-588B, 588-589, 590A-590B, 590-591, 592A-592B, 592-593, 594A-594B, 594-595, 596A-596B, 596-599, 600A-600B, 600-601, 652A-652B, 652-653, 654A-654B, 654-655, 656A-656B, 656-657, 658A-658B, 658-661

- **Design surveys to answer questions. Represent the data using graphs. Use the median (half higher, half lower) to summarize and compare data sets. Interpret results.**

204A-204B, 204-205, 208A-208B, 208-211, 216A-216B, 216-217, 218-219, 220-221, 222A-222B, 222-223, 224-225, 226A-226B, 226-229, 230A-230B, 230-231, 234A-234B, 234-235, 236, 237, 241, 242-243, 245

- **Make and compare predictions to the results of an experiment; for example, the likelihood of a coin landing heads or a spinner landing on green.**

700A-700B, 700-703, 704A-704B, 704-705, 706A-706B, 706-709, 710A-710B, 710-711, 714A-714B, 714-715

- **Use words, symbols, and mathematical notation to represent ways to solve word problems; for example, four cartons of eggs is written as $4 \times 12 = 12 + 12 + 12 + 12$.**

12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 40A-40B, 40-41, 90A-90B, 90-91, 94A-94B, 94-95, 102A-102B, 102-103, 140A-140B, 140-143, 156A-156B, 156-157, 168A-168B, 168-169, 198A-198B, 198-199, 222A-222B, 222-223, 234A-234B, 234-235, 278A-278B, 278-281, 290A-290B, 290-291, 292A-292B, 292-293, 326A-326B, 326-329, 342A-342B, 342-343, 344A-344B, 344-345, 384A-384B, 384-385, 396A-396B, 396-399, 412A-412B, 412-413, 460A-460B, 460-461, 474A-474B, 474-477, 478A-478B, 478-479, 512A-512B, 512-513, 538A-538B, 538-539, 540A-540B, 540-541, 584A-584B, 584-858, 600A-600B, 600-601, 602A-602B, 602-603, 648A-648B, 648-649, 662A-662B, 662-663, 666A-666B, 666-667, 696A-696B, 696-697, 714A-714B, 714-715, 716A-716B, 716-717

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Grade Five

- **Multiply and divide whole numbers to solve story problems. Use different strategies. Estimate the results.**

67, 68A-68B, 68-69, 70B, 70-71, 72-73, 74-75, 77, 110-111, 114-115, 132A-132B, 132-133, 134-135, 137, 138A-138B, 138-141, 148-149, 150-151, 154-155, 168A-168B, 168-169, 180-181

- **Use equivalent forms of fractions, decimals, and percents ($\frac{1}{2} = 50\% = 0.5$). Compare, add, and subtract common fractions and decimals in practical situations, such as using money.**

9, 10, 38A-38B, 38-39, 40A-40B, 40-41, 404A-404B, 404-405, 410A-410B, 410-411, 412A-412B, 412-413, 418A-418B, 418-419, 420A-420B, 420-423, 424, 425, 426A-426B, 426-429, 440-441, 460A-460B, 460-461, 668A-668B, 668-669

- **Use mathematical terms to describe two-dimensional shapes; for example, a square is a four-sided shape with sides of equal length and opposite sides that are parallel.**

336A-336B, 336-337, 340A-340B, 340-341, 342A-342B, 342-345, 346A-346B, 346-349, 352A-352B, 352-355, 356A-356B, 356-357, 358, 359, 360A-360B, 360-362, 372A-372B, 372-373, 378-379

- **Draw and build two- and three-dimensional representations of the same shape.**

598A-598B, 598-601, 602A-602B

- **Estimate measurements. Use tools to measure figures, including measuring angles.**

110A-110B, 110-111, 332A-332B, 332-335, 528A-528B, 528-531, 532A-532B, 532-533, 534A-534B, 534-535, 536A-536B, 536-539, 540A-540B, 540-541, 545, 546, 547, 548A-548B, 548-549, 550A-550B, 550-551, 552A-552B, 552-553, 554A-554B, 554-555, 560-561, 570A-570B, 570-571, 572A-572B, 572-573, 602A-602B, 602-603, 606A-606B, 606-607, 610A-610B, 610-613, 614A-614B, 614-615, 616A-616B, 616-617, 620A-620B, 620-621, 622A-622B, 622-623, 624A-624B, 624-625, 626A-626B, 626-627

- **Make conclusions and predictions from a given set of data; for example, given the typical height of children in your class, determine if it would be a good idea to take a class trip to an amusement park.**

262A-262B, 262-263, 264-265, 266A-266B, 266-267, 268-269, 270A-270B, 270, 272, 276A-276B, 276-277, 278-279, 280, 287

- **Describe the relationship between words such as “unlikely,” “equally likely,” and “certain” and their implications in discussing real-world situations; for example, predicting outcomes of a game.**

296A-296B, 296-297, 298-299, 302A-302B, 302-305

- **Recognize and analyze patterns and functions using words, tables, and coordinate graphs.**

100A-100B, 100-102, 106A-106B, 106-107, 112, 113, 176A-176B, 176-177, 724A-724B, 724-727, 728A-728B, 728-729

- **Use and explain algebraic relationships to solve problems; for example, $4 \times 27 = (4 \times 25) + (4 \times 2)$.**

100A-100B, 100-103, 104A-104B, 104-105, 106A-106B, 106-107, 108A-108B, 108-109, 696A-696B, 696-699, 700A-700B, 700-701, 702A-702B, 702-703, 706A-706B, 706-709