



Florida Informal Geometry with COR D Geometry, 2nd Edition
CORRELATION
SUNSHINE STATE STANDARDS
& GRADE LEVEL EXPECTATIONS

SUBJECT: Informal Geometry

SUBMISSION TITLE: Correlation with COR D Geometry *Mathematics in Context*, Second Edition

PUBLISHER: COR D Communications, Inc.

GRADE:

STRAND:

STANDARD:

BENCHMARK	PAGE(S) OR LOCATION(S) WHERE TAUGHT	I/M*
1. Demonstrate an understanding of the terminology and fundamental properties of geometry. MA.C.2.4.1 understand geometric concepts such as perpendicularity, parallelism, <i>tangency</i> , congruency, similarity, reflections, symmetry, and transformations including flips, slides, turns, enlargements, rotations, and fractals.	30-35, 36-39, 44-45, 51, 52, 54, 61, 62, 64, 65, 73, 75, 82, 84, 110-114, 122, 136-137, 140-147, 148-154, 155-161, 164-165, 180, 184-186, 190-202, 204-210, 211-217, 218-223, 227, 229, 230, 231-233, 235, 236, 238-239, 242-253, 272, 281, 284, 315, 316-322, 323-330, 331-334, 335-340, 360, 367-369, 375, 376, 380, 386, 414-416, 418-420, 424, 428, 439-441, 453, 454, 470, 487-491, 496, 497-499, 512, 524, 563, 588, 603, 611, 617-618, 625, 633-636, 641, 662, 666-673, 674-680, 682-688, 705-711, 712-715, 716-718, 718-720, 721-730	Indepth

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<p>2. Demonstrate and Understanding of inductive reasoning.</p> <p>MA.C.1.4.1 use properties and relationships of geometric shapes to construct <i>formal and</i> informal proofs.</p>	<p>23, 24, 32-34, 44-45, 45-48, 68, 76, 96-102, 103-109, 113-114, 120-121, 122, 136-137, 147, 149-151, 157-161, 163, 164, 172-178, 179, 186-187, 194, 197, 211-217, 219-223, 224, 227, 229-230, 231-233, 236, 239-241, 262-263, 265, 274-281, 284, 286-287, 291-292, 307, 315, 318-319, 323-326, 329-330, 341-344, 349-350, 353, 354, 369-371, 408, 415, 421-428, 437, 439-441, 453, 455, 464, 469, 472, 480, 501-503, 525, 528, 531, 540, 542-544, 547, 548, 551, 553, 556-558, 567-570, 605, 611, 625, 634, 643-646, 687, 697, 718-720, 727</p>	<p>Indepth</p>
<p>3. Solve real-world problems by using geometric models and/or applying geometric properties.</p> <p>MA.A.3.4.3 add, subtract, multiply, and divide real numbers, including square roots and exponents, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.</p>	<p>11, 24-25, 28-29, 33-35, 41-43, 51-65, 71-73, 78-79, 84, 100-102, 107-109, 126-127, 130-131, 133, 135, 137, 146, 154, 159, 168-170, 176-178, 182-183, 191-192, 194-195, 198-201, 210, 217, 223, 228-229, 236, 243-244, 247, 252, 260-261, 266-267, 271-272, 277, 284, 289-290, 298-307, 314-315, 320-322, 329-330, 333-334, 339-340, 346-347, 351-353, 358-360, 363-366, 373-387, 394-396, 402-404, 410-412, 418-420, 428, 435-437, 444-455, 462-464, 468-470, 475-476, 479-480, 484-486, 490-491, 495-496, 504-515, 522-524, 530-532, 538-541, 546-549, 555-556, 561-563, 571-579, 588, 595, 601-604, 609-611, 617-618, 622-624, 629-631, 635-636, 641, 650-663, 673, 680, 693, 697, 703-704, 709-711, 723-730</p>	<p>Indepth</p>
<p>MA.A.4.4.1 use estimation strategies in complex situations to predict results and to check the reasonableness of results.</p>	<p>245, 252, 302, 328-330, 331-334, 347, 359, 360, 365, 367-369, 383, 384, 387, 394, 718-720</p>	<p>Indepth</p>
<p>MA.B.1.4.1 use concrete and graphic models to derive formulas for finding perimeter, area, surface area, circumference, and volume of two and three-dimensional shapes, including rectangular solids, cylinders, cones, and pyramids.</p>	<p>259, 458-459, 465-466, 471-472, 477-478, 481-484, 596-601, 605-607, 612-616, 619-621, 626-629, 647-649</p>	<p>Indepth</p>
<p>MA.B.1.4.3 relate the concepts of measurement to similarity and proportionality in real-world situations.</p>	<p>310-315, 316-322, 331-334, 335-340, 341-347, 348-353, 354-360, 361-366, 367-372, 373-387, 487-491, 524, 603, 717, 618, 632-636, 641, 662, 718-720</p>	<p>Indepth</p>

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<p>MA.B.2.4.1 select and use direct (measured) and indirect (not measured) methods of measurement as appropriate.</p>	<p>12, 16-18, 19-21, 23, 24-25, 26, 35, 44-45, 46-48, 54-63, 120-121, 122, 184-186, 186-187, 188-189, 238-239, 239-241, 245, 252, 264-265, 293-294, 294-296, 297, 291-292, 302, 310, 323, 324-325, 328-330, 331-334, 335, 341, 347, 349, 354, 359, 360, 365, 367-369, 369-371, 371-372, 383, 384, 387, 394, 415, 438-439, 441-443, 462, 492, 497-499, 499-501, 501-503, 525-528, 533, 535, 542, 543-544, 558, 564-565, 565-567, 567-570, 642-643, 647-649, 664, 681, 683, 706-707, 712-715, 716-718, 718-720</p>	<p>Indepth</p>
<p>MA.B.3.4.1 solve real-world and mathematical problems involving estimates of measurements including length, time, weight/mass, temperature, money, perimeter, area, and volume, and estimate the effects of measurement errors on calculations.</p>	<p>245, 252, 302, 328-330, 331-334, 347, 359, 360, 365, 367-369, 383, 384, 387, 394, 718-720 Note: Effects of measurement errors on calculations not covered.</p>	<p>Indepth</p>
<p>MA.C.3.4.1 represent and apply geometric properties and relationships to solve real-world and mathematical problems including ratio, proportion, and properties of right triangle trigonometry.</p>	<p>102, TE269, 310-315, 316-322, 323-329, 330-334, 335-340, 348, 353, 354-360, 361-366, 373-387, 424, 464, 487-491, 496, 512, 529, 603, 631, 632-636, 662, 705-711, 718-720</p>	<p>Indepth</p>
<p>4. Demonstrate an understanding of transformational and coordinate geometry.</p>		
<p>MA.C.2.4.1 understand geometric concepts such as perpendicularity, parallelism, tangency, congruency, similarity, reflections, symmetry, and transformations including flips, slides, turns, enlargements, rotations, and fractals.</p>	<p>30-35, 36-39, 44-45, 51, 52, 54, 61, 62, 64, 65, 73, 75, 82, 84, 110-114, 122, 136-137, 140-147, 148-154, 155-161, 164-165, 180, 184-186, 190-202, 204-210, 211-217, 218-223, 227, 229, 230, 231-233, 235, 236, 238-239, 242-253, 272, 281, 284, 315, 316-322, 323-330, 331-334, 335-340, 360, 367-369, 375, 376, 380, 386, 414-416, 418-420, 424, 428, 439-441, 453, 454, 470, 487-491, 496, 497-499, 512, 524, 563, 588, 603, 611, 617-618, 625, 633-636, 641, 662, 666-673, 674-680, 682-688, 705-711, 712-715, 716-718, 718-720, 721-730</p>	<p>Indepth</p>
<p>MA.C.3.4.2 use a rectangular coordinate system (graph), apply and algebraically verify properties of two- and three-dimensional figures (including distance, midpoint, slope, parallelism, and perpendicularity).</p>	<p>390-396, 397-404, 405-412, 413-420, 421-428, 429-437, 438-443, 444-455, 461, 463, 469, 476, 486, 506, 518-524, 549, 559-563, 564-565, 572, 574, 579, 611, TE 616, 618, 636, 667, 671, 673, 683, TE 684, 689, 690, 693, 698-704, 708, 710, 711, 723, 729</p>	<p>Indepth</p>

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***Indepth/Mentioned**