

9-12 Montessori Math Sequence Record for _____

(/= card partially attempted; \wedge = whole card attempted with error; Δ = whole card completed successfully)

| Drawer number and title | Card letter | Date mastered |
|--|---|---------------|
| 1. Whole number numeration | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 2. Multiplication using "magic zeros" | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 3. Multiplication with a 1-digit multiplier..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 4. Multiplication with a 2-digit multiplier | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 5. Multiplication with a 3-digit multiplier..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 6. Multiplication with a 4-digit multiplier..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 7. Division with a 1-digit divisor | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 8. Division with a 2-digit divisor | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 9. Division with a 3-digit divisor | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 10. Division with a 4-digit divisor | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 11. Divisibility..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 12. Finding all factors | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 13. Finding prime factorization | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 14. Finding the greatest common factor | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 15. Finding multiples | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 16. Finding the least common multiple | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 17. Equivalent fractions..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 18. Changing improper fractions to mixed numbers..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 19. Reducing fractions and mixed numbers..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 20. Comparing and ordering fractions..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 21. Addition and subtraction of fractions with same denominators..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 22. Addition and subtraction of mixed numbers with same denominators..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 23. Addition and subtraction of fractions with different denominators..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 24. Addition and subtraction of mixed numbers with different denominators..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 25. Fractions times whole numbers | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 26. Whole numbers times fractions | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 27. Fractions times fractions..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 28. Mixed numbers times mixed numbers..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 29. Finding fractional parts | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 30. Fractions divided by whole numbers..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 31. Whole numbers divided by fractions..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 32. Fractions divided by fractions | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 33. Mixed numbers divided by mixed numbers..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 34. Decimal numeration..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 35. Changing fractions to decimals..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 36. Changing decimals to fractions..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 37. Comparing and ordering fractions..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 38. Adding and subtracting decimals..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 39. Decimals times powers of ten | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 40. Decimals times whole numbers | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 41. Decimals times decimals | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 42. Decimals divided by powers of ten | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |
| 43. Decimals divided by whole numbers..... | a..... b..... c..... d..... e..... f..... g..... h..... i..... j..... | _____ |

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|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 44. Whole numbers divided by decimals..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 45. Decimals divided by decimals..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 46. Equivalence of fractions, decimals and percents | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 47. Operations with fractions and decimals | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 48. Percents: finding the 'portion' | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 49. Percents: finding the 'percent' | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 50. Percents: finding the 'whole' | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 51. Ratios and proportions | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 52. Writing exponents | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 53. Solving exponents | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 54. Simplifying exponents..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 55. Using scientific notation | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 56. Binomials times monomials | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 57. Trinomials times monomials..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 58. Binomials times binomials | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 59. Trinomials times trinomials | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 60. Passage from one square to another square..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 61. Squares of binomials..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 62. Squares of trinomials | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 63. Squares of quadrinomials | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 64. Binomial square roots | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 65. Trinomial square roots | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 66. Quadrinomial square roots..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 67. Passage from one cube to another cube | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 68. Cubes of binomials..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 69. Cubes of trinomials | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 70. Cubes of quadrinomials..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 71. Binomial cube roots..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 72. Trinomial cube roots..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 73. Quadrinomial cube roots | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 74. Number lines and coordinate grids..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 75. Adding and subtracting integers | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 76. Multiplying and dividing integers | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 77. Writing equations | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 78. Solving for a variable: one step, addition or subtraction | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 79. Solving for a variable: one step, multiplication or division..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 80. Order of operations | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 81. Solving for a variable (two steps)..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 82. Solving equations: variable occurs more than once..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 83. Evaluating expressions..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 84. Solving and graphing functions..... | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 85. Rounding and estimating with integers | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 86. Rounding and estimating with rational numbers | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 87. Money: discounts and interest | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 88. Money: taxes and commissions | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 89. Data analysis | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |
| 90. Probability | a..... | b..... | c..... | d..... | e..... | f..... | g..... | h..... | i..... | j..... | _____ |