

Strand Numeration

Skill Practice comparing fractions

Games Kit Materials (per group)

- *Top-It* Gameboard
- For Grades 2 and 3: Everything Math Deck fraction cards (or Game Masters 167–169, fraction cards)
- For Grades 4, 5, 6: Everything Math Deck fraction cards (or Game Masters 170 and 171, fraction cards)

Players 2–4



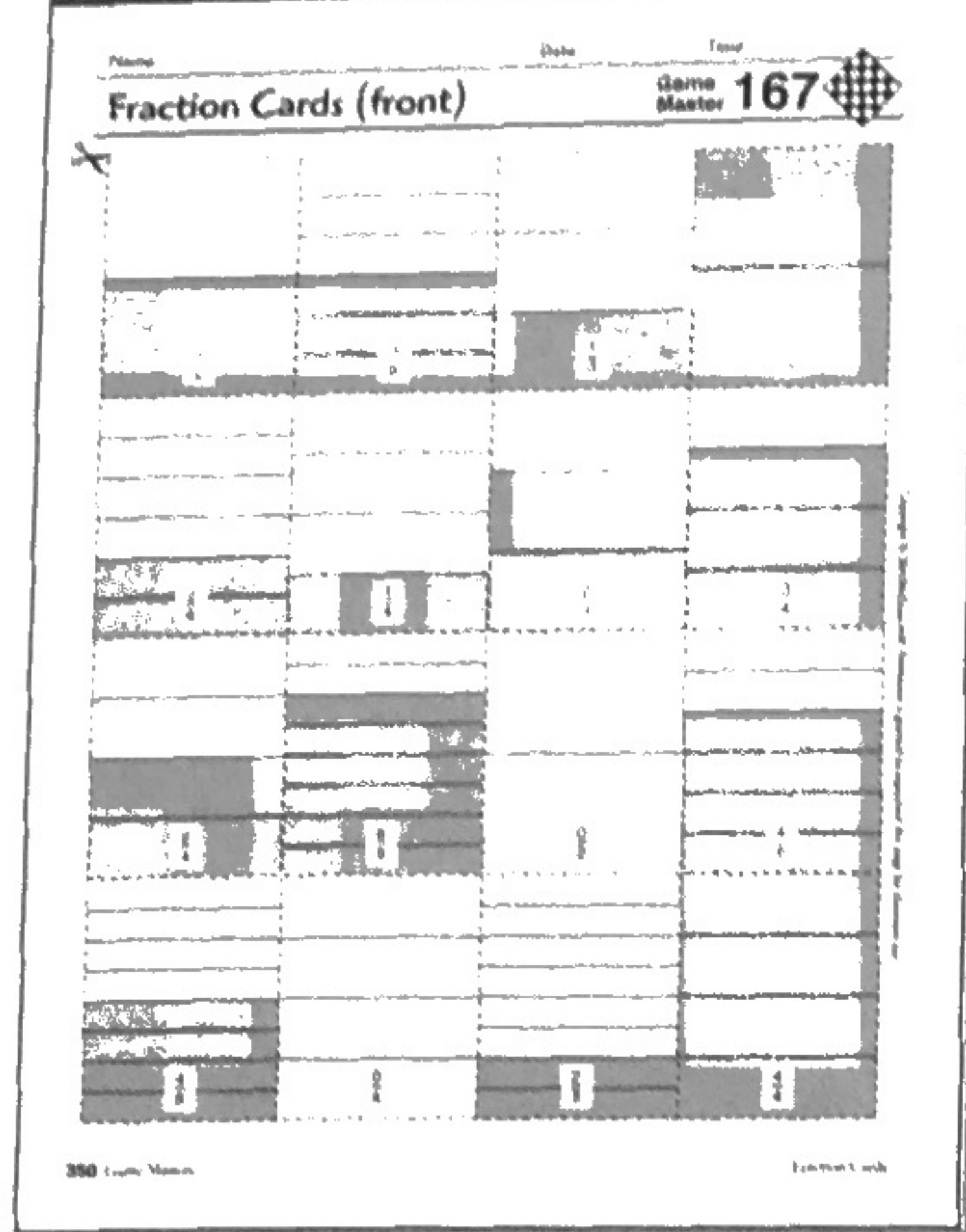
Object of the game To collect the most cards.

Directions

Advance Preparation If the Game Masters are being used, players should write the fraction for the shaded part on the back of each card.

1. One player deals the same number of cards, fraction-side up, to each player:
 - 2 players: 16 cards each
 - 3 players: 10 cards each
 - 4 players: 8 cards each
2. Each player places his or her cards fraction-side up on the gameboard.

Game Master 167

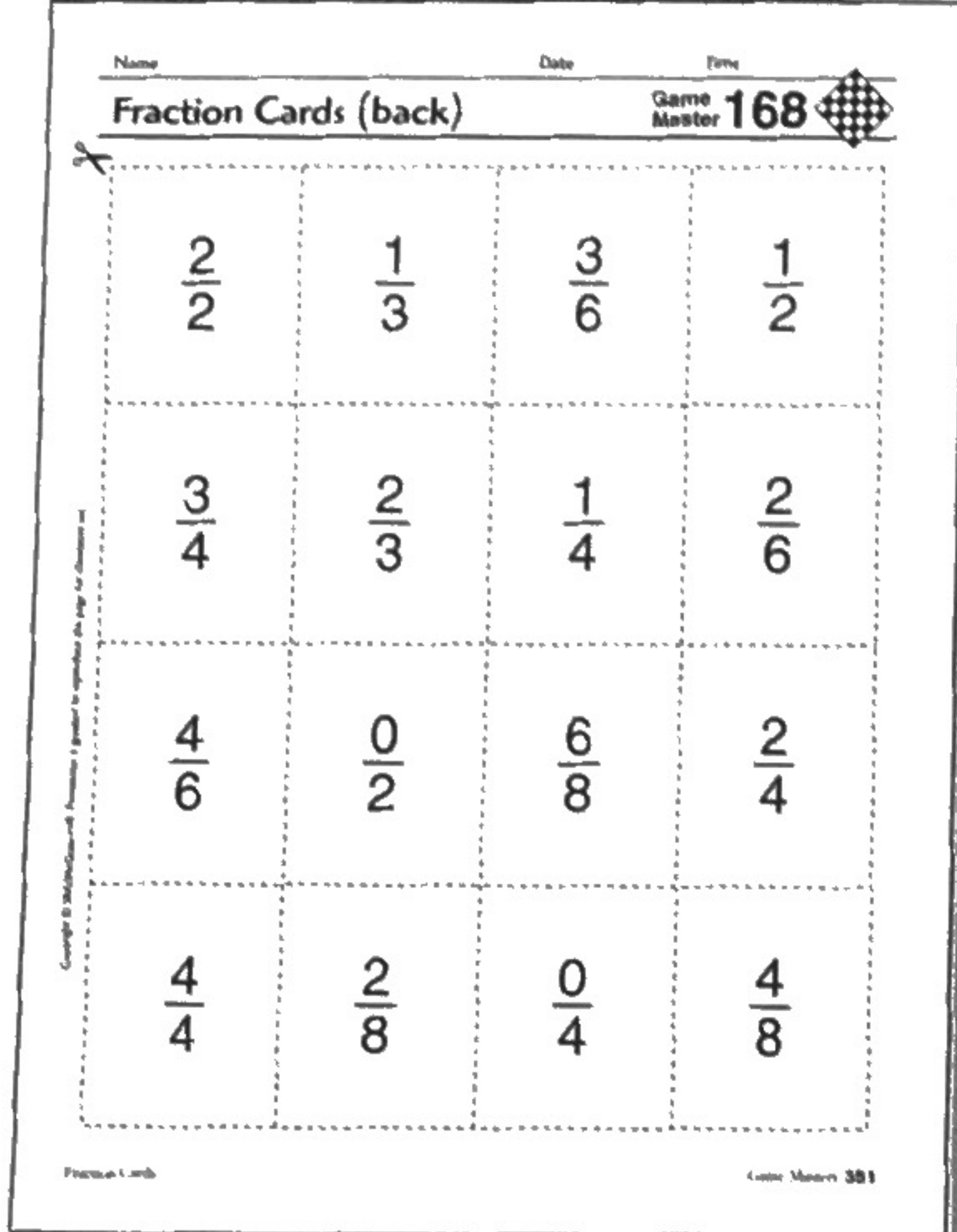


- Starting with the dealer, moving in a clockwise direction, each player plays 1 card.
- Cards are placed on the gameboard with the fraction side showing.
- The player with the largest fraction wins the round and takes the cards. Players may check who has the largest fraction by comparing the amount shaded.
- If there is a tie, each player plays another card. The player with the largest fraction takes all the cards.
- The player who takes the cards starts the next round. The game is over when all the cards have been played.
- The player who has the most cards wins.

Variation

At Grades 2 and 3, only 2 students play the game. Players compare the shaded areas of the cards instead of the fraction numbers.

Game Master 168



Top-It Gameboard

Top-It

SKILL: Practice basic facts with numbers.

GAMESET MATERIALS:
• Everything Math Deck

ADDITIONAL MATERIALS:
• 1 calculator (optional)

PLAYERS: 2 to 4

OBJECT OF THE GAME: To collect the most cards.

Addition Top-It
Each player turns over 3 cards and adds up the sum of the numbers. The player with the highest sum wins the round and takes all the cards. In the case of a tie, each player turns over 2 more cards and calls out the sum. The player with the highest sum takes all the cards from both plays.

Subtraction Top-It
Each player turns over 3 cards and adds any two. Then, the player subtracts the sum of the other two and the remaining card. The player with the largest difference takes the cards.

Multiplication Top-It
Each player calls out the product of the 2 numbers. The largest product wins.

Division Top-It
Use only the number cards 1-9. Each player turns over 3 cards and uses them to make a division problem as follows:
• Make a 2-digit number with 2 of the cards.
• Use the other card as the divisor.
• Divide and drop any remainder.
The player with the largest quotient wins.

Fraction Top-It
Players use the fraction side of the cards. The player who has the largest shaded area wins.

Fraction Multiplication Top-It
Players use the fraction side of the cards. Each player turns 3 cards and multiplies the fractions. The largest fraction wins.

Fraction/Whole Number Multiplication Top-It
Players draw 1 card whole-number side up and 1 card fraction-side up. They multiply the whole number and the fraction. The largest fraction wins.

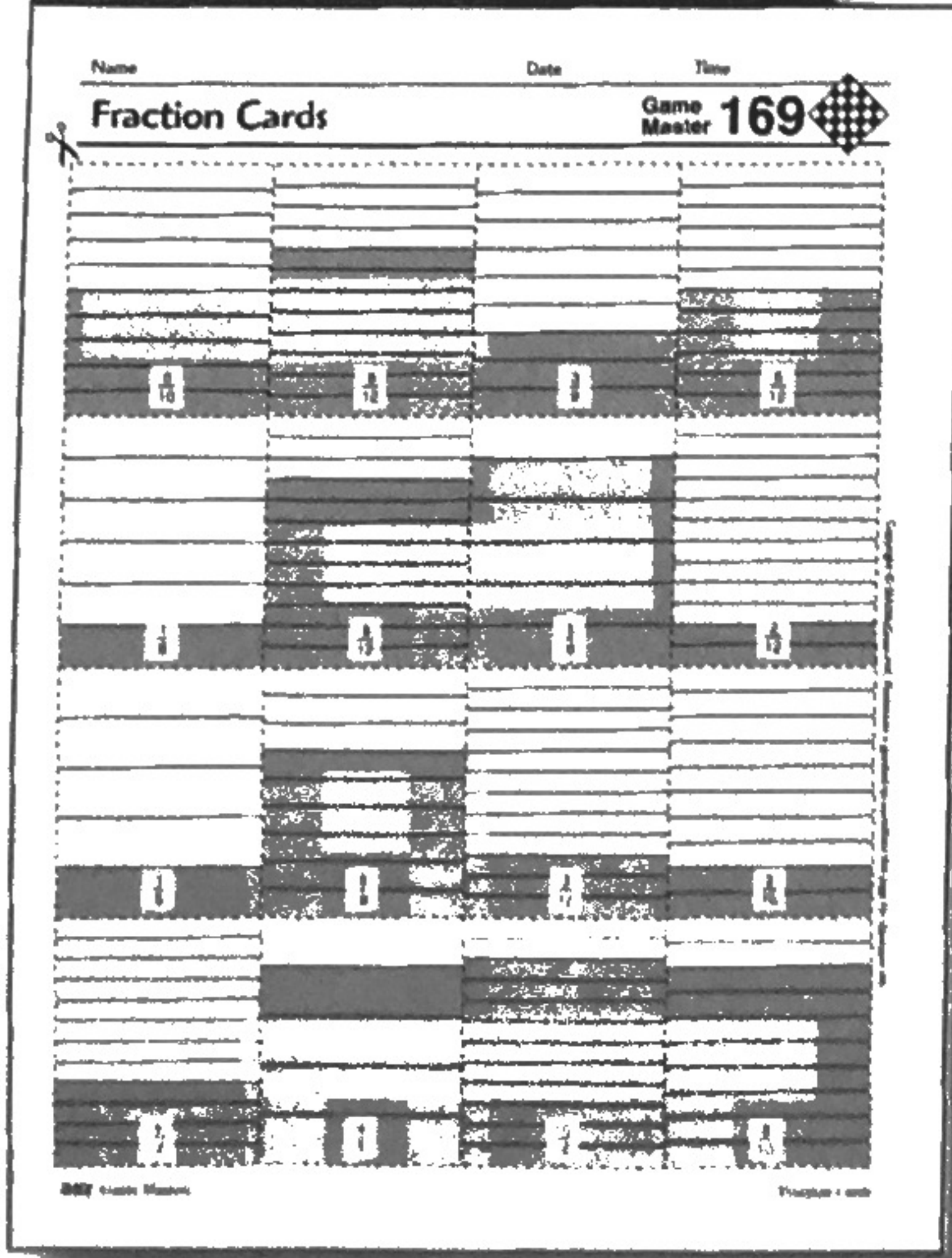
Top-It with Positive and Negative Numbers
The black cards in the Everything Math Deck are positive numbers, and the blue cards are negative numbers.
Per Addition Top-It, the player with the highest sum takes all the cards. Per Subtraction Top-It, each player subtracts the second number from the first number drawn. The player with the largest difference takes all of the cards.

SCORE SHEET

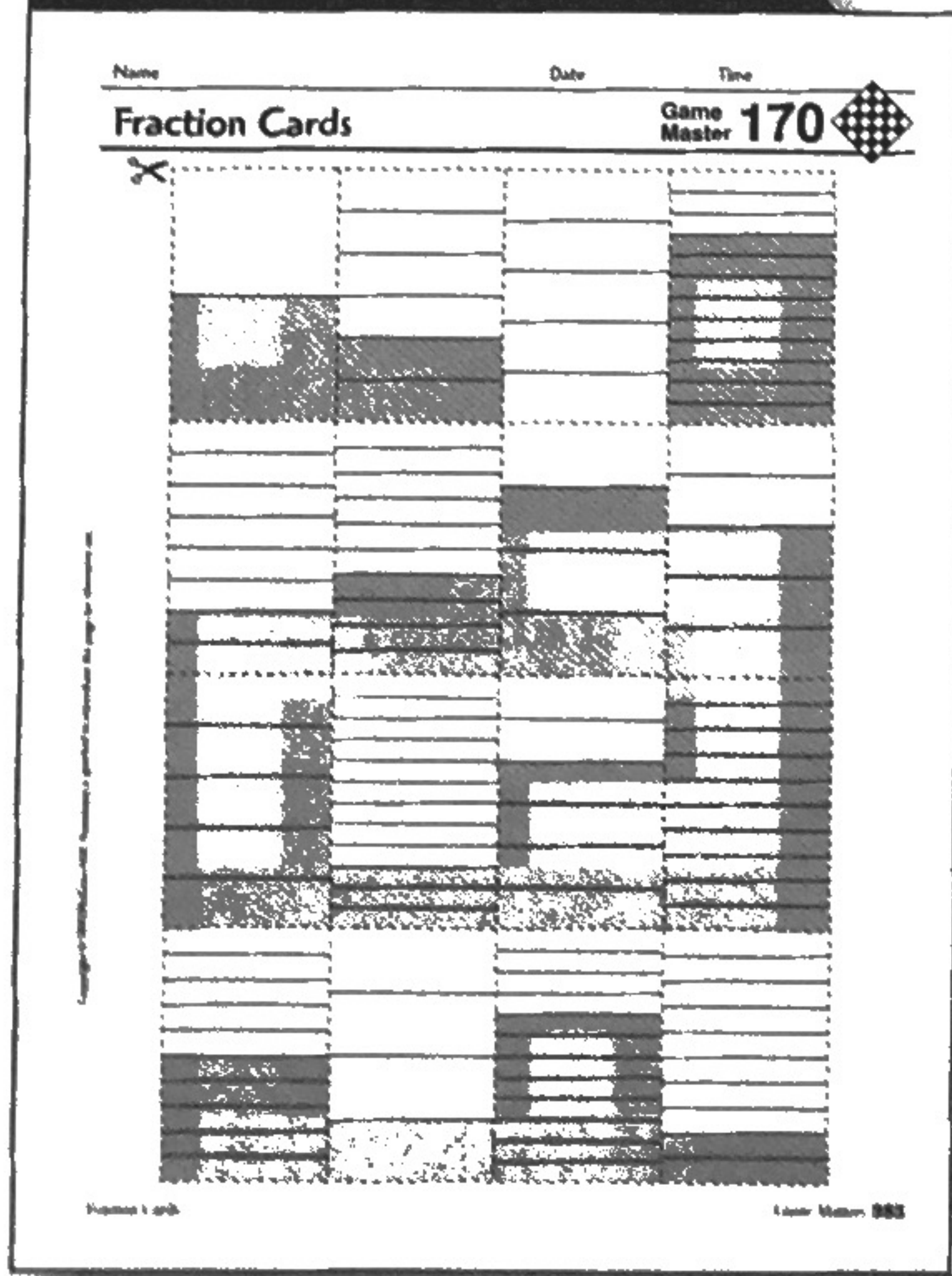
Players score one point for each win.

Player's Name: _____ Number of Wins: _____

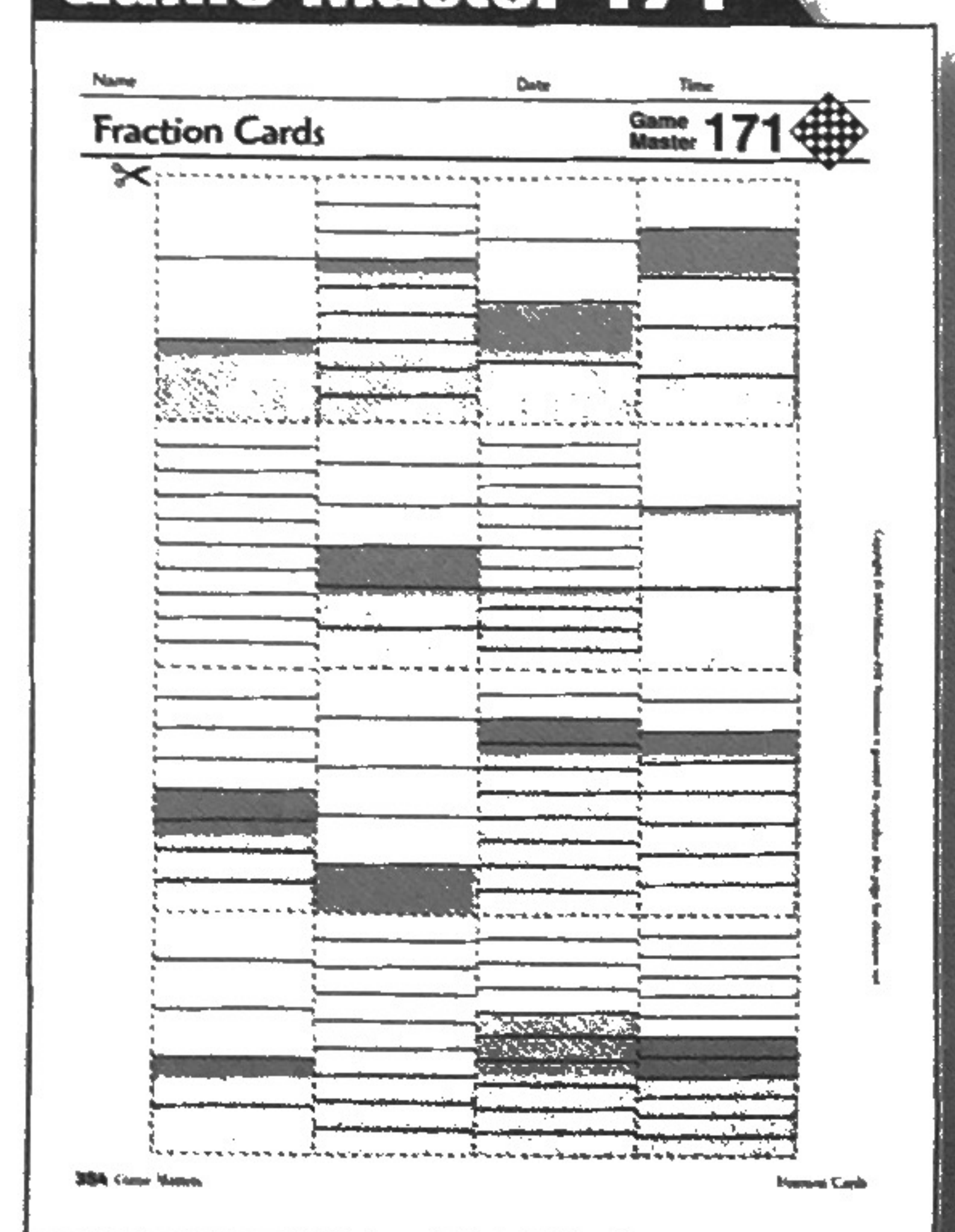
Game Master 169



Game Master 170



Game Master 171



Name _____

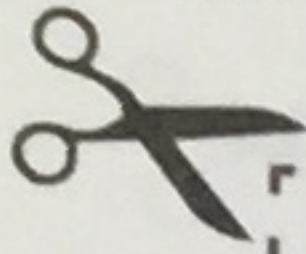
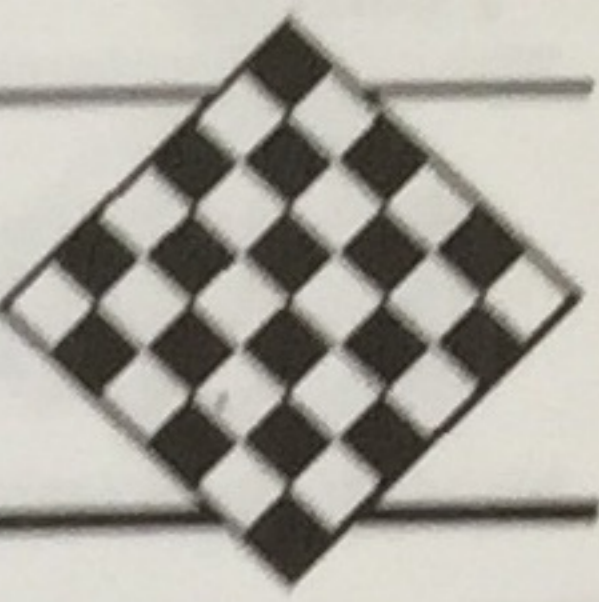
Date _____

Time _____

Fraction Cards (front)

Game
Master

167



$\frac{1}{2}$	$\frac{3}{6}$	$\frac{1}{3}$	$\frac{2}{2}$
$\frac{2}{6}$	$\frac{1}{4}$	$\frac{2}{3}$	$\frac{3}{4}$
$\frac{2}{4}$	$\frac{6}{8}$	$\frac{0}{2}$	$\frac{4}{6}$
$\frac{4}{8}$	$\frac{0}{4}$	$\frac{2}{8}$	$\frac{4}{4}$

Name _____

Date _____

Time _____

Fraction Cards (back)

Game Master **168**



$$\frac{2}{2}$$

$$\frac{1}{3}$$

$$\frac{3}{6}$$

$$\frac{1}{2}$$

$$\frac{3}{4}$$

$$\frac{2}{3}$$

$$\frac{1}{4}$$

$$\frac{2}{6}$$

$$\frac{4}{6}$$

$$\frac{0}{2}$$

$$\frac{6}{8}$$

$$\frac{2}{4}$$

$$\frac{4}{4}$$

$$\frac{2}{8}$$

$$\frac{0}{4}$$

$$\frac{4}{8}$$

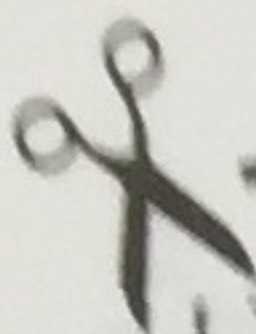
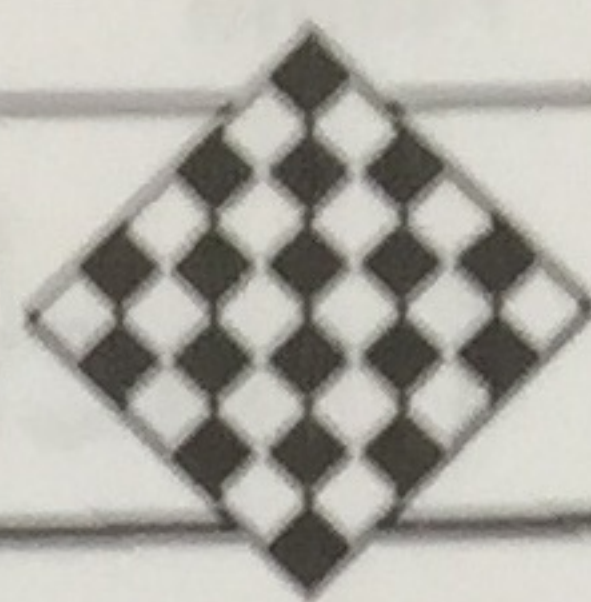
Name _____

Date _____

Time _____

Fraction Cards

Game Master **169**



$\frac{5}{10}$	$\frac{8}{12}$	$\frac{3}{9}$	$\frac{6}{12}$
$\frac{1}{6}$	$\frac{9}{12}$	$\frac{5}{6}$	$\frac{2}{12}$
$\frac{1}{5}$	$\frac{6}{9}$	$\frac{3}{12}$	$\frac{2}{10}$
$\frac{4}{12}$	$\frac{4}{5}$	$\frac{10}{12}$	$\frac{8}{10}$

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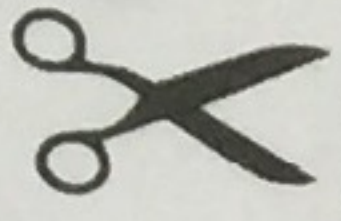
Name _____

Date _____

Time _____

Fraction Cards

Game Master 170



A large grid of fraction cards, outlined with a dashed border and divided into four vertical columns by dashed lines. Each card within the grid is a smaller rectangle with a solid border, divided into two horizontal sections. The cards are shaded in a repeating pattern:

- Column 1:** Cards 1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 81, 85, 89, 93, 97, 101, 105, 109, 113, 117, 121, 125, 129, 133, 137, 141, 145, 149, 153, 157, 161, 165, 169, 173, 177, 181, 185, 189, 193, 197, 201, 205, 209, 213, 217, 221, 225, 229, 233, 237, 241, 245, 249, 253, 257, 261, 265, 269, 273, 277, 281, 285, 289, 293, 297, 301, 305, 309, 313, 317, 321, 325, 329, 333, 337, 341, 345, 349, 353, 357, 361, 365, 369, 373, 377, 381, 385, 389, 393, 397, 401, 405, 409, 413, 417, 421, 425, 429, 433, 437, 441, 445, 449, 453, 457, 461, 465, 469, 473, 477, 481, 485, 489, 493, 497, 501, 505, 509, 513, 517, 521, 525, 529, 533, 537, 541, 545, 549, 553, 557, 561, 565, 569, 573, 577, 581, 585, 589, 593, 597, 601, 605, 609, 613, 617, 621, 625, 629, 633, 637, 641, 645, 649, 653, 657, 661, 665, 669, 673, 677, 681, 685, 689, 693, 697, 701, 705, 709, 713, 717, 721, 725, 729, 733, 737, 741, 745, 749, 753, 757, 761, 765, 769, 773, 777, 781, 785, 789, 793, 797, 801, 805, 809, 813, 817, 821, 825, 829, 833, 837, 841, 845, 849, 853, 857, 861, 865, 869, 873, 877, 881, 885, 889, 893, 897, 901, 905, 909, 913, 917, 921, 925, 929, 933, 937, 941, 945, 949, 953, 957, 961, 965, 969, 973, 977, 981, 985, 989, 993, 997.
- Column 2:** Cards 2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62, 66, 70, 74, 78, 82, 86, 90, 94, 98, 102, 106, 110, 114, 118, 122, 126, 130, 134, 138, 142, 146, 150, 154, 158, 162, 166, 170, 174, 178, 182, 186, 190, 194, 198, 202, 206, 210, 214, 218, 222, 226, 230, 234, 238, 242, 246, 250, 254, 258, 262, 266, 270, 274, 278, 282, 286, 290, 294, 298, 302, 306, 310, 314, 318, 322, 326, 330, 334, 338, 342, 346, 350, 354, 358, 362, 366, 370, 374, 378, 382, 386, 390, 394, 398, 402, 406, 410, 414, 418, 422, 426, 430, 434, 438, 442, 446, 450, 454, 458, 462, 466, 470, 474, 478, 482, 486, 490, 494, 498, 502, 506, 510, 514, 518, 522, 526, 530, 534, 538, 542, 546, 550, 554, 558, 562, 566, 570, 574, 578, 582, 586, 590, 594, 598, 602, 606, 610, 614, 618, 622, 626, 630, 634, 638, 642, 646, 650, 654, 658, 662, 666, 670, 674, 678, 682, 686, 690, 694, 698, 702, 706, 710, 714, 718, 722, 726, 730, 734, 738, 742, 746, 750, 754, 758, 762, 766, 770, 774, 778, 782, 786, 790, 794, 798, 802, 806, 810, 814, 818, 822, 826, 830, 834, 838, 842, 846, 850, 854, 858, 862, 866, 870, 874, 878, 882, 886, 890, 894, 898, 902, 906, 910, 914, 918, 922, 926, 930, 934, 938, 942, 946, 950, 954, 958, 962, 966, 970, 974, 978, 982, 986, 990, 994.
- Column 3:** Cards 3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47, 51, 55, 59, 63, 67, 71, 75, 79, 83, 87, 91, 95, 99, 103, 107, 111, 115, 119, 123, 127, 131, 135, 139, 143, 147, 151, 155, 159, 163, 167, 171, 175, 179, 183, 187, 191, 195, 199, 203, 207, 211, 215, 219, 223, 227, 231, 235, 239, 243, 247, 251, 255, 259, 263, 267, 271, 275, 279, 283, 287, 291, 295, 299, 303, 307, 311, 315, 319, 323, 327, 331, 335, 339, 343, 347, 351, 355, 359, 363, 367, 371, 375, 379, 383, 387, 391, 395, 399, 403, 407, 411, 415, 419, 423, 427, 431, 435, 439, 443, 447, 451, 455, 459, 463, 467, 471, 475, 479, 483, 487, 491, 495, 499, 503, 507, 511, 515, 519, 523, 527, 531, 535, 539, 543, 547, 551, 555, 559, 563, 567, 571, 575, 579, 583, 587, 591, 595, 599, 603, 607, 611, 615, 619, 623, 627, 631, 635, 639, 643, 647, 651, 655, 659, 663, 667, 671, 675, 679, 683, 687, 691, 695, 699, 703, 707, 711, 715, 719, 723, 727, 731, 735, 739, 743, 747, 751, 755, 759, 763, 767, 771, 775, 779, 783, 787, 791, 795, 799, 803, 807, 811, 815, 819, 823, 827, 831, 835, 839, 843, 847, 851, 855, 859, 863, 867, 871, 875, 879, 883, 887, 891, 895, 899, 903, 907, 911, 915, 919, 923, 927, 931, 935, 939, 943, 947, 951, 955, 959, 963, 967, 971, 975, 979, 983, 987, 991, 995.
- Column 4:** Cards 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136, 140, 144, 148, 152, 156, 160, 164, 168, 172, 176, 180, 184, 188, 192, 196, 200, 204, 208, 212, 216, 220, 224, 228, 232, 236, 240, 244, 248, 252, 256, 260, 264, 268, 272, 276, 280, 284, 288, 292, 296, 300, 304, 308, 312, 316, 320, 324, 328, 332, 336, 340, 344, 348, 352, 356, 360, 364, 368, 372, 376, 380, 384, 388, 392, 396, 400, 404, 408, 412, 416, 420, 424, 428, 432, 436, 440, 444, 448, 452, 456, 460, 464, 468, 472, 476, 480, 484, 488, 492, 496, 500, 504, 508, 512, 516, 520, 524, 528, 532, 536, 540, 544, 548, 552, 556, 560, 564, 568, 572, 576, 580, 584, 588, 592, 596, 600, 604, 608, 612, 616, 620, 624, 628, 632, 636, 640, 644, 648, 652, 656, 660, 664, 668, 672, 676, 680, 684, 688, 692, 696, 700, 704, 708, 712, 716, 720, 724, 728, 732, 736, 740, 744, 748, 752, 756, 760, 764, 768, 772, 776, 780, 784, 788, 792, 796, 800, 804, 808, 812, 816, 820, 824, 828, 832, 836, 840, 844, 848, 852, 856, 860, 864, 868, 872, 876, 880, 884, 888, 892, 896, 900, 904, 908, 912, 916, 920, 924, 928, 932, 936, 940, 944, 948, 952, 956, 960, 964, 968, 972, 976, 980, 984, 988, 992, 996.

