

box cars and one-eyed jacks®

Piece It Together With Fractions Alignment Document©

Common Core State Standards

The correlation of the specific Common Core State Standards for Math with the games in Piece It Together With Fractions, published by Box Cars And One-Eyed Jacks Inc., was compiled by Jennie Winters, Math Science Coordinator, Lake County Regional Office of Education (IL).

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Piece It Together With Fractions Game	Page	Concept	CCSS	Equipment
I Can Build a Rainbow	21	Identifying and naming fraction pieces	3.NF.1	Fraction pieces, one 12-sided die or 2 regular die
It's In the Cards	23	Recognizing and identifying fraction pieces	3.NF.1	Cards (ace=wild), 2, 3, 4, 5, 6, 8, 10's, 12's (Q=12) fraction pieces
Fraction Colour Snap	24	Identifying and naming fractions, learning and naming the fraction pieces	3.NF.1	Fraction pieces, fraction dice
Remove The Stack	25	Recognizing fraction pieces, equivalent fractions	3.NF.1 3.NF.3 5.NF.1	One complete fraction circle set per player (remove green fifths), fraction dice
Proper Predictions	27	Identifying and naming proper fractions	4.NF.2	Cards (ace=1), 2, 3, 4, 5, 6, 8, 10, 12 (Q=12), paper, pencil, fraction pieces
Middle Muddle	28	Ordering fractions	4.NF.2	Fraction dice, fraction pieces
Wholey Moley	29	Recognizing and naming the fraction pieces	5.NF.1	Fraction pieces, 1 regular die per player
Halfers	31	Building and identifying $\frac{1}{2}$ and it's equivalent	3.NF.3	Fraction pieces, 1 regular die, pencil, gameboard
Pocket Fractions	33	Identifying missing fractions, problem solving	5.NF.1	Fraction pieces
Give It A Name	34	Identifying and naming fractions in their simplest form		Cards (ace=1) -9, king=0, or 12-sided dice
Forwards And Onwards	35	Comparing fractions, probability	4.NF.2	Fraction dice, fraction pieces, paper, pencil
I Spy The Pie	36	Identifying and naming fractions, equivalent fractions	3.NF.1 3.NF.3	Fraction dice, fraction pieces, gameboard
Fraction Line Up	39	Comparing fractions, recognizing fractions	4.NF.2	Paper, pencil, fraction dice
Fraction Guess	40	Recognizing fractions, combing/adding fractions, logical reasoning	5.NF.1	Fraction pieces, paper, pencil
Mystery Fractions	41	Comparing fractions, probability	4.NF.2	Fraction dice or two 1-sided dice per player, fraction pieces
Fraction Alias	45	Making equivalent fractions	3.NF.3	Fraction pieces, fraction dice
Guess And Check	46	Equivalent fractions, adding fractions, multiplying fractions	3.NF.1 4.NF.1	Fraction pieces, fraction dice
Equivalent War	47	Adding fractions, equivalent fractions, multiplying fractions	5.NF.1	Fraction pieces, fraction dice
Equivalent Snap	48	Equivalent fractions, adding fractions, multiplying fractions	5.NF.1	Fraction pieces, fraction dice, paper, pencil

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Rainbow Fractions	49	Equivalent fractions, adding fractions, problem solving	5.NF.1	Fraction pieces, 1 regular die, paper, pencil
Colour Fraction Face Offs-Addition	53	Comparing fractions, adding fractions	5.NF.1	2 regular dice per player, fraction pieces
Colour Fraction Face Offs-Subtraction	55	Comparing fractions, subtracting fractions	5.NF.1	2 regular dice per player, fraction pieces
Fraction Sub-Traction	57	Subtracting fractions, common denominators	5.NF.1	Fraction pieces, fraction dice, paper, pencil
Trading Pieces	58	Equivalent fractions, adding fractions	5.NF.1	Fraction pieces, fraction dice
Fair Game For Fractions	59	Adding fractions, subtracting fractions	5.NF.1	Fraction dice, regular die, counters
Fraction Crosses	60	Adding/subtracting fractions	5.NF.1	Fraction dice, 1 gameboard per player
Selective Fractions	62	Logical reasoning, adding mixed fractions	5.NF.1	Fraction pieces, fraction dice, regular dice
Watch Your Move	64	Adding fractions, problem solving, logical reasoning	5.NF.1	Fraction pieces (twelfths, eighths, sixths, fourths only), paper, pencil
Freezing Fractions	66	Adding fractions. Probability, equivalence	5.NF.1	Fraction pieces, fraction dice, (remove fraction die with 1 on it)
Frozen Wholes	67	Adding fractions, logical reasoning	5.NF.1	Fraction pieces, fraction, dice
Trade In To Zero	69	Subtracting fractions, equivalent fractions	5.NF.1	Fraction pieces, fraction dice
Fraction Trackers	70	Adding/subtracting fractions, equivalent fractions	5.NF.1	Fraction pieces, fraction dice, paper, pencil, gameboard
Missing In Action Addition	72	Adding fractions	5.NF.1	Fraction pieces, fraction dice, paper, pencil
Hole In One	73	Adding/subtracting fractions, equivalent fractions	5.NF.1	Fraction pieces, fraction dice
“Sum” Thing Different	74	Adding/subtracting fractions	5.NF.1	Fraction die, 1 gameboard per player, pencil
Trading Down Under	76	Adding fractions, equivalent fractions	5.NF.1	Fraction pieces, fraction dice
Fraction Combo Five	79	Mixed operations with fractions	5.NF.1 5.NF.4 6.NS.1	Fraction pieces, fraction dice, paper bag
Combo Concoction	81	Mixed operations with fractions, reducing fractions	5.NF.1 5.NF.4 6.NS.1	Fraction pieces, fraction dice
Whole Number Multipliers	83	Multiplying fractions and reducing fractions	4.NF.4	Cards (ace=1) -9, fraction dice, paper, pencil

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Multiple Fractions	84	Multiplying/ reducing fractions	5.NF.4	Fraction pieces, fraction dice, paper, pencil
Prime Or Composite	85	Identifying prime/composite numbers	4.OA.4	Cards (ace=1) -9, calculator
Race To Reduce	87	Dividing fractions to lowest terms	6.NS.1	Cards (ace=1) -9
Multiplication Trios	88	Multiplying 3 fractions, reducing fractions	5.NF.1	Fraction dice
Dividing Deck	89	Dividing/reducing fractions	6.NS.1	Cards (ace=1) -9, fraction dice
Divey Up	90	Dividing/reducing fractions	6.NS.1	2 fraction dice per player
Choosey Fractions	91	Mixed operations with fractions	5.NF.1 5.NF.4 6.NS.1	Fraction dice, 1 regular die, fraction pieces
Converting Decimals	95	Converting percentages to fractions or decimals, reducing fractions	6.RP.3	Cards (ace=1) -9 and king=0, paper, pencil, calculators, gameboard
Inbetween Decimals	96	Dividing for decimals, comparing decimals	4.NF.7	Fraction dice, paper, pencil, calculator
Warring Decimals	97	Dividing for decimals, comparing decimals	4.NF.7	Fraction dice, paper, pencil, calculator
Fraction Tic Tac Toe	98	Multiplying and dividing fractions, rounding off to the nearest 10, percent and decimals	4.NF.4 5.NBT.4	Cards (ace=1) -9 and king=0, fraction dice, hundred board, markers (2 colours), calculator
Fraction Show Off	103	Identifying fraction names, demonstrating a knowledge of fractions	3.NF.1	Cards 2-10. Paper, pencil
Fraction Flip	104	Identifying fraction names, demonstrating knowledge of fractions	3.NF.1	Cards (ace=1) -10, paper
Fraction Snap	105	Identifying fraction names	2.G.3 3.NF.1	Cards 2 -10
Fraction Action	106	Identifying fraction names	3.NF.1	Cards (ace=1) – 10
Fraction War	107	Identifying fraction names and their number value	4.NF.2	Cards (ace=1) -10 (king=0)
Name It	108	Identifying/illustrating fractions	3.NF.1	One 12-sided die, pencil, paper
Fun Fractions	109	Identifying proper fractions, illustrating fractions	3.NF.1	Two 12-sided dice or cards (ace=1), -10, jack=11, queen=12, pencil, paper
Fraction Frazzle	110	Recognizing/naming/comparing fractions	3.NF.1 4.NF.2	Two 12-sided dice or cards (ace=1), -10, jack=11, queen=12, pencil, paper, and, if possible, fraction pieces to manipulate
Frace	112	Identifying/naming fractions	3.NF.1	Two 12-sided dice, one per player

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Friendly Fractions	113	Comparing fractions	4.NF.2	Two 12-sided dice or cards (ace=1), -10, jack=11, queen=12, pencil, paper
Fraction Doubles	114	Doubles, comparing/reducing fractions, common denominators	4.NF.2 4.NF.4	Two 12-sided dice, paper, pencil
Fraction Freeze	116	Adding fractions	5.NF.1	Two 12-sided dice or cards (ace=1), -10, jack=11, queen=12, pencil, paper, fraction pieces