Printables for “Equivalent Expressions”

KNPIG ID # S 2204.5 – PINK

This file contains printables for two students.

For each additional pair of students print 1 game board.

- 5 "Equivalent" game sheet
- 1 Blank "Equivalent" game sheet

Teacher Note: It is recommended that each game boar be laminated or placed in a sheet protector and students use wipe off markers. Initially allow students to cooperatively circle pairs on one game board or work independently to find all of the pairs on a single game board. Ask questions such as "How do you know?" and "Is there an easier way to work that out?" Look for strategies that indicate student is using strategies such as chunking and bridging 10 (and is NOT counting to solve each individual expression). Expressions can be shown on a pair of 10 frames and then counters moved to illustrate the equivalence. An alternative speed version is to give each student a game board and students can race to circle all pairs on his/her game board.

Equivalent Expressions

10+2	12+2	10+1	9+2	11+2	13+3
8+4	10+4	9+6	10+9	10+3	10+6
10+10	15+3	10+5	15+4	10+7	10+3
14+6	10+8	5+6	10+2	12+5	5+8
10+9	10+5	10+1	6+6	10+5	10+4
11+8	8+7	10+7	10+10	11+4	7+7
10+6	11+5	15+2	13+7	10+8	9+9

Circle adjacent expressions that are equivalent.

Game Board #1

Equivalent Expressions

11+2	10+4	7+7	10+1	9+2	10+0
10+3	9+8	10+5	13+2	10+6	5+5
10+6	10+7	10+8	14+6	8+8	5+6
9+7	10+4	9+9	10+10	10+2	10+1
10+7	9+5	7+6	10+3	6+6	10+5
14+3	15+5	10+10	8+3	10+1	14+1
10+2	6+6	8+5	10+3	16+2	10+8

Circle adjacent expressions that are equivalent.

Game Board #2

Equivalent Expressions

10+5	10+0	10+3	7+6	10+1	3+8
6+9	8+2	10+6	10+4	10+9	10+7
10+10	10+8	8+8	9+5	15+4	9+8
12+8	9+9	10+0	10+2	10+1	5+6
10+2	10+5	3+7	8+4	10+6	10+4
6+6	6+9	10+7	9+8	8+8	7+7
10+3	8+5	18+1	10+9	10+8	13+5

Circle adjacent expressions that are equivalent.

Game Board #3

Equivalent Expressions

5+9	10+4	8+8	10+8	15+3	10+10
10+2	6+6	10+6	10+9	10+1	15+5
10+1	10+3	7+6	9+10	5+6	10+3
8+3	10+7	10+5	10+2	10+5	11+2
10+4	11+6	8+7	8+4	9+6	10+8
7+7	10+6	7+9	10+9	15+4	9+9
10+7	9+8	10+3	8+5	10+1	9+2

Circle adjacent expressions that are equivalent.

Game Board #4

Equivalent Expressions

9+9	10+8	10+6	6+7	10+4	7+7
6+5	10+1	8+8	10+3	4+7	10+1
9+4	10+3	10+10	10+5	9+8	10+2
10+5	9+6	12+8	7+8	10+7	6+6
12+5	10+7	10+2	5+7	14+5	10+9
10+9	17+2	10+4	9+5	10+6	11+5
7+7	10+4	13+5	10+8	10+10	6+14

Circle adjacent expressions that are equivalent.

Game Board #5

Equivalent Expressions

Circle adjacent expressions that are equivalent.