



Printables for “Bead Arrays”

KNPIG ID # M 4449.3 – GREEN

This file contains printables for a small group of students.

For each additional student print one recording sheet.

- 4 Recording Sheets

Teacher must supply students with 100 bead rack (10 rows of 10) per player, 1 cube with labels {2 rows of, 3 rows of, 4 rows of, 5 rows of, 6 rows of, 7 rows of} and another cube with labels {2, 3, 4, 4, 5, 5}

Teacher Note: The amounts on the dice may vary, with amounts up to 10. Attend to how each student counts or determines the total. Is the student counting by ones? If so, how does the student keep track of the correct number of counts for each row? Does the student skip count? Does the student use previously counted arrays or known arrays as a reference? Does the student use other "chunking" strategies? For example, a student might solve 6 rows of 4 by thinking - 3 rows of 4 is 12, so there are 2 groups of 12 which is 24.

Does the student use the commutative property (i.e. counting a 5 rows of 2 array by thinking of it as 2 groups of 5)?

Bead Arrays (Partial)

Name: _____

Array	Multiplication Sentence	Record point if your array has the most beads
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____

Bead Arrays (Partial)

Name: _____

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_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____

Bead Arrays (Partial)

Name: _____

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_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____

Bead Arrays (Partial)

Name: _____

Array	Multiplication Sentence	Record point if your array has the most beads
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_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____
_____ rows of _____		Winner? _____