Mathematics, Grade 8 Unit IV: Lesson 3

Puzzle: **Even Sized Magic Squares** 



Odd-sized magic squares can be created by using a pattern. Even-sized magic squares are created by a somewhat more complex pattern. Research even-sized magic squares and analyze the pattern.

Create an even sized magic square using fractions. Make a second puzzle leaving some squares blank.

Give copies to your classmates to solve. Demonstrate how the pattern works.

96 7 12 496 15 163105 21381	163 2	13	11 2 13	8	7 12 1 14	96154
90 / 12	5 10 11	8	5 16 3	10	2 13 8 11	7 12 1 14
	96 7	12	496	15	16 3 10 5	2 13 8 11
415 14 1 147 121		1	14 7 12 1		9 6 15 4	16 3 10 5

96 11 89 68 88

69 91 16 61 86

18 99 19 98 66

81

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