Chapter 3

Lesson 1

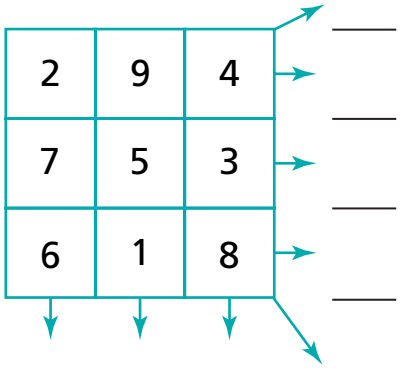
Name _____ Date/Time _____

Introducing Magic Squares

NCTM Standards 1, 2, 6, 7, 8, 9

Find all the sums and answer the questions.

1



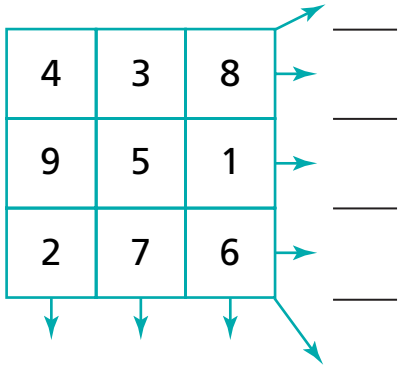
15 _____ _____ _____

Which sum occurs most often? ☐

How many times does it occur? ☐

Is this a **magic square?** ☐

2



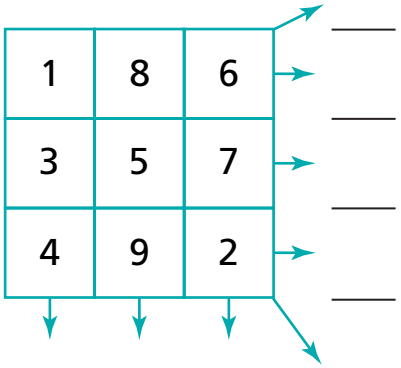
_____ _____ _____ _____

Which sum occurs most often? ☐

How many times does it occur? ☐

Is this a **magic square?** ☐

3



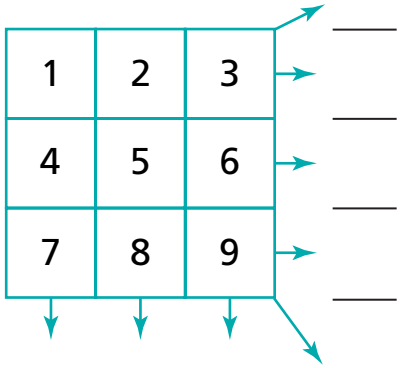
_____ _____ _____ _____

Which sum occurs most often? ☐

How many times does it occur? ☐

Is this a **magic square?** ☐

4



_____ _____ _____ _____

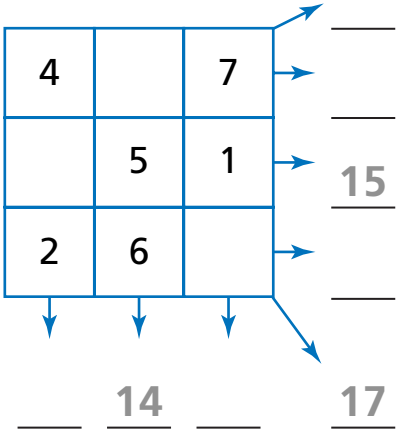
Which sum occurs most often? ☐

How many times does it occur? ☐

Is this a **magic square?** ☐

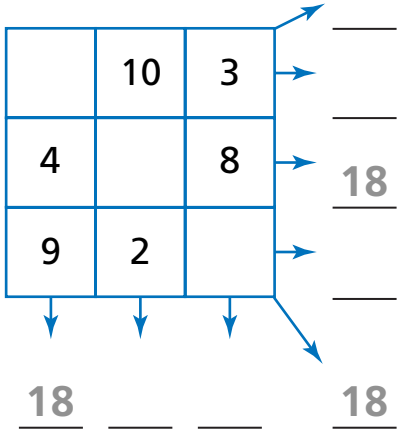
Which arrays are magic squares? Score each array by finding all the sums, seeing which sum occurs most often, and counting the number of times that sum occurs.

5



Score: ☐ Magic? ☐

6



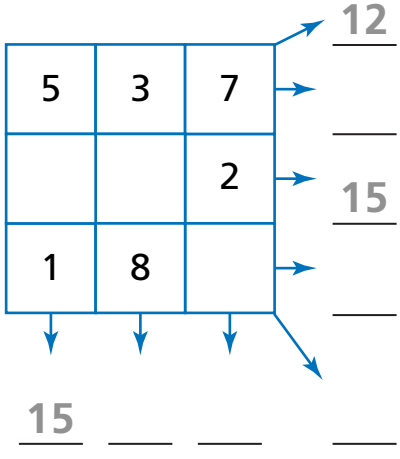
Score: ☐ Magic? ☐

7 Moniqua says she can make a magic square by adding ten to each of the numbers in a magic square. Do you agree or disagree? Explain your answer using numbers, pictures, or words.

_____

_____

8 Challenge



Score: 7

Magic? ☐