

Drawing Blocks

NCTM Standards 1, 2, 6, 7, 8, 9, 10

In the 9-block experiment, your class drew one of these blocks at random, 27 times. Use your class's graph of the data from the experiment to answer these questions.



- 1 Which block or blocks was picked most frequently? _____

- 2 Which block or blocks was picked least frequently? _____

- 3 What portion of the blocks picked were even-numbered? _____ out of _____

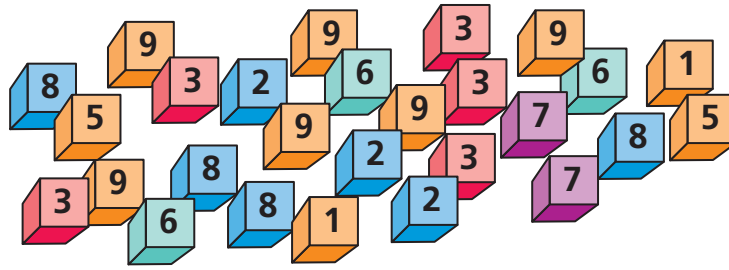
- 4 What portion of the blocks picked were numbered with multiples of 3? _____ out of _____

- 5 What portion of the blocks picked were numbered with square numbers? _____ out of _____

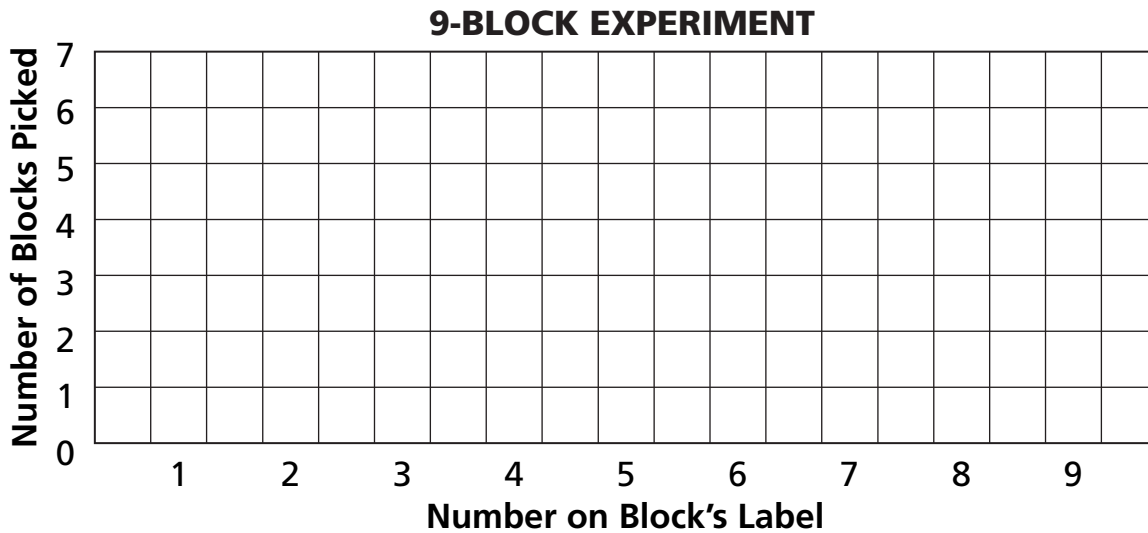
- 6 What portion of the blocks picked were numbered 5 or higher? _____ out of _____

- 7 Were there any blocks that didn't get picked at all? _____

Mrs. Garabedian's class did the 9-block experiment. Each student picked a block from the bag. Here are their results:



8 Graph the data.



9 What portion of the blocks picked were even-numbered? _____ out of _____

10 What portion of the blocks picked were numbered with multiples of 3? _____ out of _____



11 Challenge Choose one thing about this class's results that surprises you. Explain why it surprises you.
