Only Odds

Activity: Students are shown balls of wool with 1-digit numbers on them. Using any or all of the balls of wool, what odd numbers can students create?

To support:

- Review how to identify if a number is odd or even.
  - Students could create their numbers using place value blocks and then try to divide each number evenly between two groups. This might involve regrouping/exchanging.
- Students could repeat digits.
  - 23, 37, 27, etc.

To challenge:

- Students could try to use the wool numbers to create specific numbers:
  - an odd number that rounds up when rounded to the nearest 10.
  - an odd number that rounds down to the nearest 100 and to the nearest 10.
  - an odd number that rounds up to the nearest 100 but down to the nearest 10.
  - odd numbers that all round up when rounded to the nearest 10.
  - odd numbers that are all multiples of 3.

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How many different multi-digit odd numbers can you make using the wool numbers?

Possible Solutions

There are lots of odd numbers that can be made. How can you prove if my answers are correct?