

Roll and Round – Place Value Practice

Instructions

Laminate the sheets or place them in plastic sleeve protectors.
Each student will need a dry erase marker and a rolling die.



If you have kids that like to throw the dice hard, you can save yourself a lot of grief by getting small clear food containers, and put one die in each one. then place it upside down on the table. The students just shake them to get the digits they need.

Students are to roll the die and write down the digit in the squares near the top of the sheet. They will need to roll 4 times. If they roll the same number twice they should write zero as the digit.



1. They are to write the number in word form.
2. They are to write the number in expanded form.
3. They are to draw the number in model form.
(1,000s cubes, 100s flats, 10s rods, and unit squares)
4. They are to round the original number to the nearest 10.
5. They are to round the original number to the nearest 100.
6. They are to round the original number to the nearest thousand.
7. They are to add 10 to the original number.
8. They are to add 100 to the original number.
9. They are to add 1,000 to the original number.
10. They are to subtract 10 from the original number.
11. They are to subtract 100 from the original number.
12. They are to subtract 1,000 from the original number.
13. They are to write the original number and make it lesser by 1.
14. They are to write the original number and make it greater by 1.
15. Finally, they are to write a math question involving the original number. They are free to use any of the data above to help them think it out. For example: *What is 2,671 rounded to the nearest 10? Answer 2,670*



The sheet takes about 20 minutes at first. After a few weeks, most students will be able to finish it correctly within 10 minutes. Students still struggling with number sense will need a lot of redirection. I let the ones who finish early help anyone with a hand up. It is nice to hear how students coach their peers through the processes.

After moving on from number sense and rounding to multiplication, I started using this with the group of students who were clearly lost, and it has helped many of them finally catch on to number manipulation. But, I still have some kids that will need another month or so.

Name _____ # _____ Date _____

Roll and Round – Place Value Practice

1, Word Form

2, Expanded Form

Place Value, or Standard Form

Roll your die to create your number and write it below.

,

thousands

hundreds

tens

ones

3, Model Form

4, Rounded by 10

5, Rounded by 100

6, Rounded by 1,000

7, Add 10

8, Add 100

9, Add 1,000

10, Subtract 10

11, Subtract 100

12, Subtract 1,000

13, Make it lesser by 1

>

14, Make it greater by 1

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15, Math Story