



© Can I round numbers up to a million to the nearest 10; 100; 1,000; 10,000 and 100,000?

## Winning Digits Game 1

Rearrange 4 digit cards to make the largest number.

Then, rearrange the cards again to make the lowest number.

What is the difference between your 2 numbers?

Is 50 closer to 0 or 100?  
How do you know?

Zoe says that when rounding a 2-digit number to the nearest 100, any number that includes a 5 will round to 100.  
Is she correct?

Round 500 to the nearest 1,000.

Can you write a real-life example of when you would round numbers?



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## Winning Digits Game 2

Rearrange the digits 4, 2, 3, and 5 as many times as you like. For each number you make, round it to the nearest 1,000.

How many times do your numbers round to the same thousand?

Use the digits 1, 3, 5, 7 and 9 to make 2-digit numbers.

How many numbers can you make round to 100 when rounding to the nearest 100?

Now try with even digits. Do you get the same results?

Choose 4 digits, and keep rearranging these to make different 4-digit numbers.

Can you find 4 digits that will always round to the same thousand, no matter how you rearrange them?

Using your knowledge of rounding, which number is the odd one out?

1      51      101

**Always, Sometimes, Never?**

When rounding numbers that end in 5 to the nearest 10, will they always, sometimes or never round to a number that has one zero at the end of the number?



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## Winning Digits Game 3

Can you apply your knowledge of rounding to round numbers to the nearest 1 decimal place?

### True or False?

If I round 934ml to the nearest litre, it will round to 10 litres.

### Spot the mistake...

- 34 rounded the nearest hundred is 100
- 450 rounded to the nearest 100 is 500
- 7920 when rounded to the nearest 10 is 7920

Give an example of a number that, when rounded to the nearest 100, rounds to 1,000.

Give another example, and another...

What is the total number of examples you can provide?

Using your knowledge of rounding, which number is the odd one out?

3562

3449

4499

4001