



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

## Round and Round Game 1

What place value column do we look at when rounding to the nearest 10,000?

Explain your answer.

Mendip says, "I cannot round 50,000 to the nearest 100,000."

Is he right?

Why/why not?

Fill in the missing digits below so that each number, when rounded to the nearest 1,000, gives an answer of 99,000:

9\_,499    \_8,521    99,\_87

Paula says, "If I have a five-digit number and round it to the nearest 10,000, I will always end up with a five-digit number."

Is she right?

Why/why not?

Which number is closest to 30,000?

30,011    29,989

29,990    30,110



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# Round and Round Game 2

Saul rounded his number and ended up with an answer of 0.

Is this possible?

If so, give examples of what his number could have been.

What is the purpose of rounding?

Discuss with a friend.

**Always, Sometimes, Never?**

If I round a number to the nearest million up to 99 million I will have 6 zeros in my answer.

Give three examples of numbers that would round to each of the below.

10,000	5,00,000
8,000,000	10,000,000

Sally gets the answer 23,450 when she rounds her number to the nearest 10.

How many different numbers could she have been thinking of?



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## Round and Round Game 3

If you round 299,999 and 301,001 to different powers of 10, when do you **NOT** end up with the same answer?

Give an example of a six-digit number which rounds to the same number when rounded to the nearest 10,000 and 100,000.

Match these statements to the numbers:

- "My number rounds to 141,000 to the nearest 1,000."
- "My number is 141,980 to the nearest 10."
- "My number has 0 hundreds."

140,501    141,084    141,984

**Always, Sometimes, Never?**

If I round a number to the nearest million I will always have 6 zeros in my answer.

Ashir has a whole number that when he rounds it to the nearest 1,000 equals 4,000.

His number is also in the 4 and 6 times tables.

Find as many numbers as you can that would fit the criteria.