

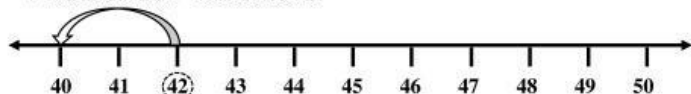
Rounding off to Nearest 10

Development of Concept: In our daily life, if we want to tell the number of students in an exam hall **OR** the number of cars in a parking lot **OR** number of people in a party **OR** the duration of break time, in all these events, we can quickly guess an estimated answer.

"Rounding off a number means making a number simple by keeping its value closer to its actual value."

- The symbol used for rounding off is " $\approx$ ".

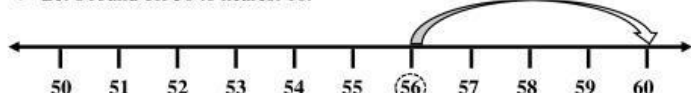
❖ Let's round off 42 to nearest 10.



Here 42 is closer to 40 as compared to 50. So, 42 will be rounded off to 40.

We can write it as $42 \approx 40$.

❖ Let's round off 56 to nearest 10.



Here 56 is closer to 60 as compared to 50. So, 56 will be rounded off to 60.

We can write it as $56 \approx 60$.

Rules of Rounding off to nearest 10

If the Ones place digit is smaller than 5 (0, 1, 2, 3, 4) then digit at Ones place is replaced by zero and the digit at Tens place remains same.

$$\begin{array}{r} \text{T} \quad \text{O} \\ 6 \quad 4 \\ + \quad 0 \\ \hline 6 \quad 0 \end{array}$$

So, $64 \approx 60$

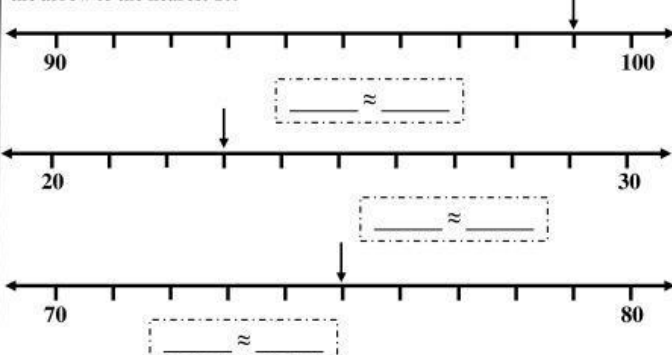
If the Ones place digit is 5 or bigger than 5 (5, 6, 7, 8, 9) then add one at Tens place (digit at Tens place is increased by 1) and digit at Ones place is replaced by zero.

$$\begin{array}{r} \text{T} \quad \text{O} \\ 6 \quad 7 \\ + \quad 1 \\ \hline 7 \quad 0 \end{array}$$

So, $67 \approx 70$

Applying the Concept:

Activity 1: Fill in the missing numbers, then round off the number marked by the arrow to the nearest 10.



Activity 2: Do as directed.



a) Which two numbers round to 30?

_____ and _____

b) Which two numbers round to 40?

_____ and _____

MATH CHALLENGE

LET'S DO IT

