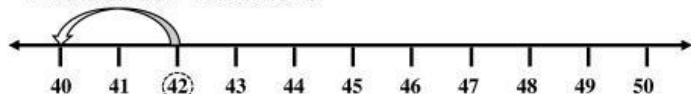## Rounding off to Nearest 10

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."
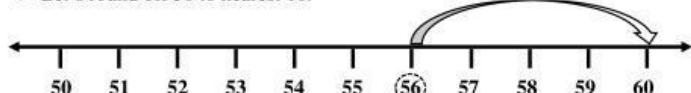
- The symbol used for rounding off is " ≈ ".

❖ Let's round off 42 to nearest 10.

40 41 (42) 43 44 45 46 47 48 49 50

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

We can write it as **42 ≈ 40.**

❖ Let's round off 56 to nearest 10.

50 51 52 53 54 55 (56) 57 58 59 60

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

We can write it as **56 ≈ 60.**

Rules of Rounding off to nearest 10

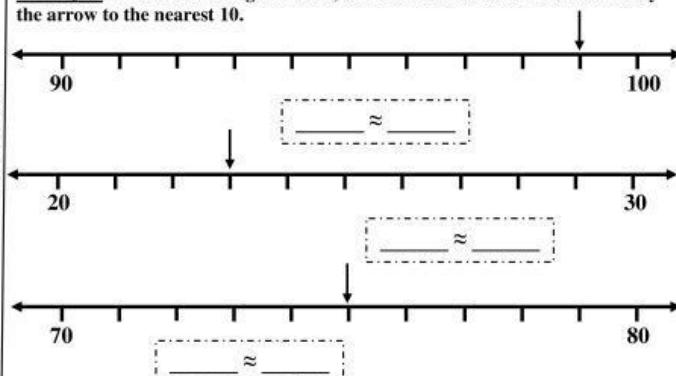| If the Ones place digit is smaller than 5 (0, 1, 2, 3, 4) then digit at Ones place is replaced by zero and the digit at Tens place remains same.	If the Ones place digit is 5 or bigger than 5 (5,6,7,8,9) then add one at Tens place (digit at Tens place is increased by 1) and digit at Ones place is replaced by zero.
T O 6 4 + 0 _____ 6 0 So, 64 ≈ 60	T O 6 7 + 1 _____ 7 0 So, 67 ≈ 70

Applying the Concept:

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

90 _____ 100

_____ ≈ _____

20 _____ 30

_____ ≈ _____

70 _____ 80

_____ ≈ _____

Activity 2: Do as directed.

36   31   44   27   48   23   45

a) Which two numbers round to 30?
_____ and _____

b) Which two numbers round to 40?
_____ and _____

M A T H CHALLENGE

LET'S DO IT

Write 4 numbers that round to 20

_ 5   _ 2   1 _   2 _