

## Rounding Off Numbers.

Sometimes you need only an estimate and not exact figures. For which numbers can be rounded off.

While rounding off to the nearest 10, if the digit in the ones place is between 0-4 or  $< 5$  then the number is rounded down to the nearest 10.

Ex  $\rightarrow$  32 rounds down to 30

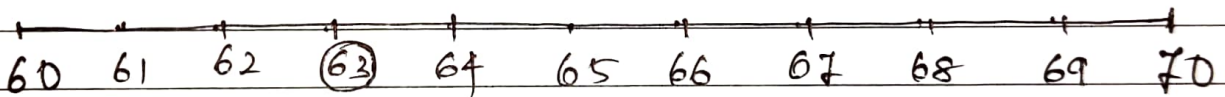
In 32, the digit 2 is in ones place and  $2 < 5$

If the digit in the ones place is 5 or more than 5, then the number is rounded up to the nearest 10.

Ex  $\rightarrow$  58 rounds up to 60

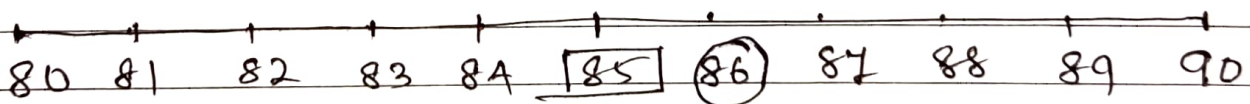
In 58, the digit 8 is in ones place and  $8 > 5$ .

Round off 63 to the nearest 10  $\rightarrow$



63 is in between 60 and 70 but closer to 60. So, 63 is rounded off to 60.

Round off 86 to the nearest 10  $\rightarrow$



86 is in between 80 and 90 but closer to 90. So, 86 is rounded off to 90.

But 85 is exactly between (middle of) ~~80~~

80 and 90. So, 85 is also rounded off to 90

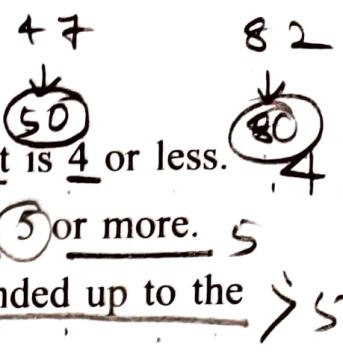
Teacher's Signature: \_\_\_\_\_

H.W  
Learn it  
and do  
Exercise-1.5  
in copy.

# ROUNDING OFF NUMBERS TO THE NEAREST TEN

Kapil had noted down the number of pencils and erasers in his stationery shop. But he has lost the note. All he remembers is that there were about 50 pencils and 80 erasers. Later, Kapil found the note. There were exactly 47 pencils and 82 erasers in his shop. The numbers 50 and 80 are close to the exact numbers.

- ▶ 47 is close to 50. So he rounded it up to 50.
- ▶ 82 is close to 80. So he rounded it down to 80.
- ▶ A number is rounded down to the nearest ten if the ones digit is 4 or less.
- ▶ A number is rounded up to the nearest ten if the ones digit is 5 or more.
- ▶ If a number is exactly between the two tens, it is always rounded up to the higher ten.



## Exercise 1.5

A. Fill in the blanks with the help of the number line.



1. 13 is between 10 and 20 but closer to 10. So, 13 is rounded off to 10
2. 27 is between 20 and 30 but closer to 30. So, 27 is rounded off to 30
3. 35 is exactly in the middle of 30 and 40. So, 35 is rounded off to 40
4. 44 is between 40 and 50 but closer to 40. So, 44 is rounded off to 40

B. Round off each number to the nearest ten.

- |                          |                          |                           |                   |
|--------------------------|--------------------------|---------------------------|-------------------|
| 1. <u>48</u> → <u>50</u> | 2. <u>32</u> → <u>30</u> | 3. <u>95</u> → <u>100</u> | 4. 61 → <u>60</u> |
| 5. <u>23</u> → <u>20</u> | 6. <u>64</u> → <u>60</u> | 7. 92 → <u>90</u>         | 8. 17 → <u>20</u> |

3 < 5  
it rounds down to

up to  
down to

