SESSION : 5

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 6

CHAPTER NAME : Rounding off- Estimation

SUBTOPIC : Rounding off the numbers to nearest 10, 100 and

finding the half way number, Exercise 6 A Q. No 1, 2 and 3

LEARNING OBJECTIVE :

Enable the students

- To understand the need of rounding off

- To Apply it in day to day life

NEWS PAPER

Over 13 million passengers are carried over 63,000 kilometre route of railway track everyday.
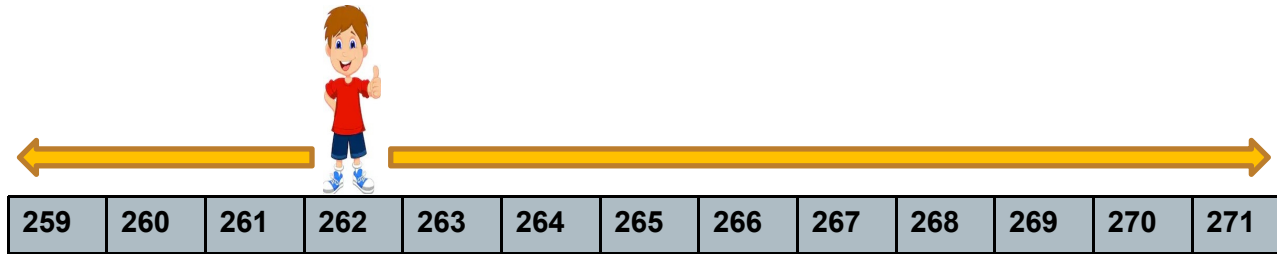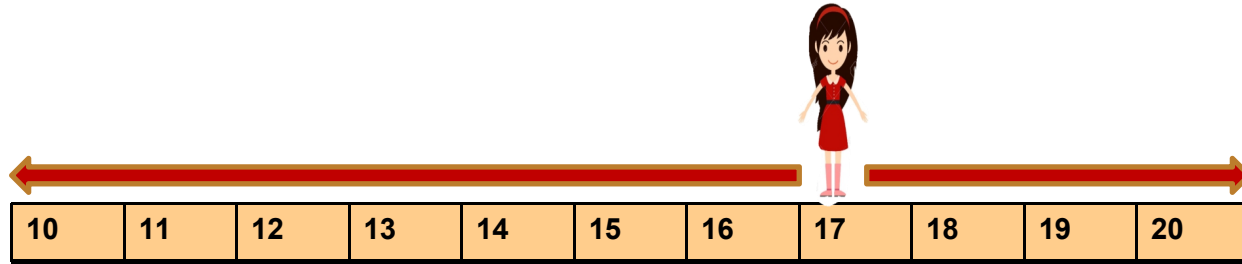
Approximately, 2000 people were killed and more than 50000 injured in a cyclonic storm in coastal areas of India and Bangladesh

9000 people watched the match on Sunday.

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In many instances, exact numbers are not necessary or even desirable, in such cases approximation (approx.) is given. This is when rounding numbers helps us.

ROUNDING NUMBERS

Rounding numbers

Rounding numbers

Let us recall the rules of rounding numbers.

▪ To round a number to the nearest ten, we round it to the multiple of ten nearest to it.

▪ A number which is midway is always rounded up.

For Example:

26 $\longrightarrow$ 30

132 $\longrightarrow$ 130

825 $\longrightarrow$ 830

Trick- To round off a number to the nearest 10,

- See the one's place number

- If one's place number is 5 or greater than 5, then round off to the after 10 or add 1 to the ten's place number and ones place will be zero

- If one's place number is smaller than 5, then round off to the before 10 or the ten's place number remains same and ones place will be zero

Rounding numbers

- To round a number to the **nearest hundred**, we round it to the multiple of hundred nearest to it.
- A number which is midway is always rounded up.

826 $\longrightarrow$ 800

1259 $\longrightarrow$ 1300

850 $\longrightarrow$ 900

Trick- To round off a number to the nearest 100,

- See the ten's place number

- If ten's place number is 5 or greater than 5, then round off to the after 100 or add 1 to the hundred's place number and ten's and one's places will be zero

- If ten's place number is smaller than 5, then round off to the before 100 or the hundred's place number remains same and tens and ones places will be zero

Rounding numbers

Example 1 :

a) 1,155 to the nearest 10.

Solution: 18<u>55</u>

          1850   1860

As per the rule :   1,855 has to round up 1,860.

Rounding numbers

Ex- Round off 8875 to the nearest 100.

Solution:

8875 is lies between 8800 and 8900.

8875 is closer to 8900.

So,8875 is rounded up to 8900.

Or-

8 8 7 5 (For rounding off to nearest hundred see the next digit just right to it that is ten's digit)

As 7 > 5, we will add 1 to the hundreds house digit and rest digits right to it will be zero)

Ans- 8 9 0 0

EXERCISE 6(A)

1 Find the half way number between

(a) 18,000 and 19,000 — 18,500 b) 15,000 and 16,000 — 15,500

(c) 4,00,000 and 5,00,000 — 4,50,000 d) 22,00,000 and 23,00,000 — 22,50,000

(e) 1,60,000 and 1,70,000 — 1,65,000 (f) 90,000 and 1,00,000 — 95,000

a) 316 ➡ **320**

b) 984 ➡ **980**

c) 1,242 ➡ **1,240**

d) 7,486 ➡ **7,490**

e) 1003 ➡ **1,000**

f) 9992 ➡ **9,990**

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(g) 45,793 **45,790** (h) 1,06,921 **1,06,920** (i) 97,097 **97,100**

3 Round off the given numbers correct to the nearest hundreds.

(a) 269 **300** (b) 2,406 **2,400** (c) 7,381 **7,400**

(d) 26,178 **26,200** (e) 42,888 **42,900** (f) 10,040 **10,000**

(g) 2,35,999 **2,36000** (h) 99,978 **1,00,000** (i) 5,09,896 **5,09,900**

LEARNING OUTCOME:

❖ **Students are able to rond off to the nearest 10 and hundred**

❖ **Students are able to find the half way number.**

HOME WORK-

Complete Ex 6 A Q. No 1 to 3 in notebook