

SESSION : 12

CLASS : V

SUBJECT : MATHEMATICS

CHAPTER NUMBER: 6

CHAPTER NAME : Rounding off- Estimation

SUBTOPIC : Estimation in number operation

EXERCISE – 6 (B) Q. No – 3 and 4

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

Enable the students

- **To understand the need of rounding off**
- **To apply it in day to day life**
- **To get a general idea about situations involving addition, subtraction, multiplication or division.**

6.2 ESTIMATION IN NUMBERS OPERATIONS

Estimation helps us to get a general idea about situations involving addition, subtraction, multiplication or division. It can be extremely useful to calculate costs, expenditure, profits, losses, etc. while dealing with the actual numbers.

An estimation is the answer close to the actual answer.



EXERCISE 6 (B)

Q.3 Estimate the following by rounding off the multiplicand and the dividend to the nearest 1,000 :

a) $7,603 \times 2$

Solution :

Rounding off 7,603 to the nearest 1,000 ,
we get 8,000

$$8,000 \times 2 = 16,000$$

So, the estimated product is 16,000.

$$\begin{array}{r} 8,000 \\ \times \quad 2 \\ \hline 16,000 \end{array}$$

b) $6,945 \times 8$

Solution :

Rounding off 6,945 to the nearest 1,000 ,
we get 7,000

$$7,000 \times 8 = 56,000$$

So, the estimated product is 56,000.

$$\begin{array}{r} 7,000 \\ \times \quad 8 \\ \hline 56,000 \end{array}$$

EXERCISE 6 (B)

Q. 3 Estimate the following by rounding off the multiplicand and the dividend to the nearest 1,000 :

c) $41,750 \div 3$

Solution :

Rounding off 41,750 to the nearest 1,000 ,
we get 42,000

$$42,000 \div 3 = 14,000$$

So, the estimated quotient is 14,000.

d) $5,668 \times 11$

Solution :

Rounding off 5,668 to the nearest 1,000 ,
we get 6,000

$$6,000 \times 11 = 66,000$$

So, the estimated product is 66,000.

EXERCISE 6 (B)

Q.3 Estimate the following by rounding off the multiplicand and the dividend to the nearest 1,000 :

e) $27,259 \div 9$

Solution :

Rounding off 27,259 to the nearest 1,000 ,
we get 27,000

$$27,000 \div 9 = 3,000$$

So, the estimated quotient is 3,000.

f) $89,666 \div 15$

Solution :

Rounding off 89,666 to the nearest 1,000 ,
we get 90,000

$$90,000 \div 15 = 6,000$$

So, the estimated quotient is 6,000.

EXERCISE 6 (B)

Q.4 Round off the following as instructed:

a) To the nearest rupee.

Rs.320.50 p

Rs.68.25 p

Rs.32.80 p

Rs.3.70 p

Rs.8.96 p

Rs. 321

Rs. 68

Rs. 33

Rs. 4

Rs. 9

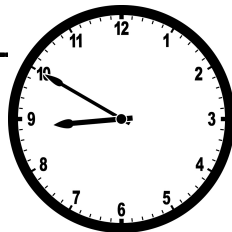
b) To the nearest hour.

8:50 p.m.

10:48 a.m.

5:35 p.m.

9 p.m.



11 a.m.



6 p.m.

EXERCISE 6 (B)

Q.4 Round off the following as instructed:

b) To the nearest hour.

6:10 a.m.

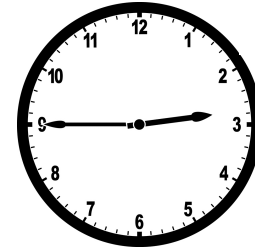
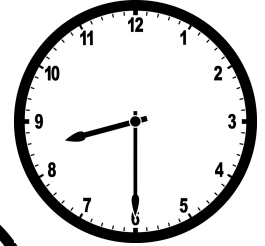
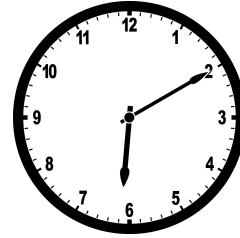
8:30 a.m.

2:45 p.m.

6 a.m.

9 a.m.

3 p.m.



c) To the nearest year.

10 years 10 months

5 years 3 months

11 years

5 years

24 years 6 months

15 years 9 months

25 years

16 years

LEARNING OUTCOME:

Students are able

- To understand the need of rounding off
- To apply it in day to day life
- To get a general idea about situations involving addition, subtraction, multiplication or division.

HOME WORK-

Complete Ex 6 (B) Q. No 2 in the notebook

THANKING YOU
ODM EDUCATIONAL GROUP