

Exercises

Exercise = 20.1

A) Round the following numbers to the nearest ten .

- | | |
|--------------|--------------|
| 1) 45 = 50 | 5) 69 = 70 |
| 2) 174 = 170 | 6) 324 = 320 |
| 3) 681 = 680 | 7) 137 = 140 |
| 4) 762 = 760 | 8) 969 = 970 |

B) Round the following numbers to the nearest hundred.

- | | |
|-----------------|-----------------|
| 1) 735 = 700 | 5) 86 = 100 |
| 2) 8,651 = 8700 | 6) 8311 = 8300 |
| 3) 6,438 = 6400 | 7) 6,517 = 6500 |
| 4) 173 = 200 | 8) 925 = 900 |

C) Round the following numbers to the nearest thousand.

- | | |
|----------------------|--------------------|
| 1) 8,825 = 9000 | 5) 6,200 = 6000 |
| 2) 31,718 = 32000 | 6) 35,896 = 36,000 |
| 3) 6,400 = 6000 | 7) 32,194 = 32,000 |
| 4) 99,700 = 1,00,000 | 8) 3,500 = 4000 |

D) The halfway number between .

- 1) 70 and 80 = 75
- 2) 800 and 900 = 850
- 3) 10,000 and 11,000 = 10,500

E) Rachana has organized her birthday party . She has invited 57 children of her class to her party . Help Rachana to organize her party by solving the following problems with the help of round off method .

1) Rachana needs to order food . for How many people should she approximately order ?

Answer = 60 people

2) Rachana plans to give every one 4 toffees . How many toffees should she buy ?

Answer = 230 toffees .

3) She needs return gifts for all . How many pieces should she purchase ?

Answer = 60 pieces .

4) Rachana needs at least 473 balloons for decoration . How many balloons should she buy ?

Answer = 500 balloons .

5) Her mother has decided to make gulab jamuns for everyone . They will serve 3 per child . How many gulab jamuns should she approximately make ?

Answer = 200 gulab jamuns ..

What Did You Learn?

Exercise 20.2

A) Estimate each sum to the nearest tens, hundreds and thousands respectively. Then compare it with the actual sum.

1)

Actual		Estimate
73	→	70
+ 48	→ +	50
<u>121</u>		<u>120</u>

2)

Actual		Estimate
187	→	200
+ 298	→ +	300
<u>485</u>		<u>500</u>

3)

Actual		Estimate
4476	→	4000
+ 2298	→ +	2000
<u>6774</u>		<u>6000</u>

What Did You Learn?

Exercise 20.3



A) Estimate each difference to the nearest hundred and thousand. Then, find the actual difference and compare.

1)

Actual	Estimate
$296 \rightarrow$	300
$- 137 \rightarrow -$	100
159	200

2)

Actual	Estimate
$2196 \rightarrow$	2000
$- 1028 \rightarrow -$	1000
1168	1000

3)

Actual	Estimate
$563 \rightarrow$	600
$- 387 \rightarrow -$	400
176	200

What Did You Learn?

Exercise 20.4



A) Round off to the nearest 10 and estimate the product. Then, find the actual product.

1)

Actual	Estimate
$67 \rightarrow$	70
$\times 31 \rightarrow \times$	30
2077	2100

2)

Actual	Estimate
$75 \rightarrow$	80
$\times 16 \rightarrow \times$	20
1200	1600

B) Round off to the nearest 100 and estimate the product. Then, find the actual product.

1)

Actual	Estimate
403 →	400
× 132 →	100
53196	40000

2)

Actual	Estimate
853 →	900
× 933 →	900
795849	810000

Exercise = 20.5

A) Round off the following decimals to the nearest whole number

1) 1.16 = 1.00 2) 3.375 = 3.00 3) 10.583 = 11.00 4) 9.94 = 10.00

B) Round off the following decimals to the nearest tenths .

1) 1.867 = 1.90 2) 4.749 = 4.70 3) 14.337 = 14.30 4) 185.04 = 185.00

C) Round off the following decimals to the nearest hundredths ...

1) 89.836 = 89.84 2) 77.777 = 77.78 3) 13.001 = 13.00 4) 43.209 = 43.21