

CHAPTER -1 LARGE NUMBER

Ex-1.1

1. a. $<$ b. $<$ c. $<$

2. Population B has higher populations.

3. 198

Ex-1.2

1. a. predecessor -7467653

Successor-7467655

b . predecessor -3243198

Successor-3243200

c . predecessor-65669999

Successor- 65670001

2. a. Indian -8,76,65,657

Eight crore seventy six lakh sixty five thousand six hundred fifty seven.

International – 87,665,657

Eighty seven million sixty hundred sixty five thousand six hundred fifty seven.

b. Indian -43,56,28,718

Forty three crore fifty six lakh twenty eight thousand seven hundred eighteen.

International-435,628,718

Four hundred thirty five million six hundred twenty eight thousand seven hundred eighteen.

3. a. place value of 6 is 6,00,000

Place value of 7 = 7000

Face value of 6 is 6

Face value of 7 is 7

Expanded form :

$60,00,00,000+7,00,00,000+70,00,000+6,00,000+50,000+7000+800+50+3$

b. Place value of 5 = 5,00,00,000

place value of 7 = 7,00,000

Face value of 5 is 5

Face value of 7 is 7

Expanded form

$20,00,00,000 + 5,00,00,000 + 30,00,000 + 7,00,000 + 60,000 + 6000 + 400 + 70 + 2$

4. $20,04,000 < 40,15,910 < 8,79,00,056 < 19,00,92,005$

Ex-1.3

1. a. $467857 < 564786 < 4668657 < 4768767$

b. $2578272 < 7636779 < 27883879 < 28979049$

c. $265798 < 5478767 < 7658396 < 8789734$

Ex-1.4

1. a. 62081256 b. 95210902 c. 37060494 d. 25854

Ex-1.5

1. 105050 were donated to each classroom and 6 were given to the library.

2. 26154792

3. 8123098

Ex-1.6

1. 20 2.100 3.400

4. a. 14000 b. 6300 c. 25000 d. 125

CHAPTER -2 NATURAL AND WHOLE NUMBERS

Ex- 2.2

1. a. 36747 b. 76848 c. 0 d. 5648

2. a. 124169 (commutative property)

b. 95007 (associative property)

Ex- 2.3

1. a. 0 b. 245 c. 6489, 87468 d. 6736
2. a. 4006666 (commutative property)
b. multiplicative identity
c . Any number multiplied by 0 is 0
3. a. 34600000000
b. 5032000000
4. a. $Q = 3406$ $R = 3$
b. $Q = 3565$ $r = 22$
5. a. .48 b. 5 c. 129 d. 666

FOR CURIOUS MIND

Multiplication properties

1. Multiplicative identity
2. Commutative
3. Associative
4. Multiplicative identity
5. Commutative
6. 23214
7. $(16 \times 2) \times 1$
8. 0
9. $20 \times (1 \times 5)$
10. 10×200

Addition properties

1. additive identity
2. commutative
3. associative
4. additive identity
5. commutative
6. 7
7. $(6+4)+2$
8. $2+9$
9. $2 + (1 + 5)$
10. 286

CHAPTER -3 INTEGERS

Ex-3.1

- 1) -24,-25,-26,-27
- 2) -33,-32,-31,-30,-29
- 3) a. $-10 < -8 < -4 < 0 < 4 < 5 < 6$ b. $-15 < -10 < -9 < -8 < -7 < -5 < -4 < -3$
4. a. -9,-10,-11,-12 b. -2,-1,0,1,2
5. a. 100 b. 15 c. 0 d. 6

Ex-3.2

1. a. -7 b. -2 c. 11 d. 6
2. a. -49 b. -22 c. 30 d. -25
3. 82

FOR CURIOUS MIND

1. 12 2. -10 3. 14 4. 4 5. -9 6. 11 7. -1 8. 12 9. 3 10. -12
11. 25 12. 22 13. 11 14. 15 15. 18 16. 7 17. 8 18. -8 19. 12 20. 9
21. 2 22. -3 23. 14 24. -5 25. 4 26. +19 27. -2 28. -2