DUBAI GRAND SCHOOL
INTERNATIONAL

Class: 5th **SUBJECT: MATH**

Solved assignment

FA-1

REVISION

1. Calculate and give your answer as a Roman numeral.

a) XLVIII-VII-XXI

Sol:

XX

b)XXVII-VII-I

sol:

XXXIII

C) XII+XVIII+XV

Sol:

XLV

d) Try yourself.

2. Solve the following.

a) ₹14,220.20+₹2,455.90+₹1,300.75

Sol: 17,976.8

b) ₹1892.35-₹825.50

Sol:

₹1,066.85

c),d)Try yourself.

3. Convert:

a)

Sol: 11min 20 sec.

b)

Sol:

204 hours.

c),d) Try yourself.

e)

Sol: 155 days

f) Try yourself

4. Write the time in 24- hour clock time.

a)

1220 hours

b) Try yourself

5. Fill in the blanks.

a) 1kg=100 dag

b) 105g =0.105 kg.

c) 7hm8m= 708 m.

d,e) Try yourself.

6. A company distributes the profit of ₹ 20,80,000 among its 8 partners. How much amonut does each partner receive?

Sol:

Profit distributed by company=₹20,80,000

Number of partners=8

Amount received by each partner=

20,80,000÷8=₹2,60,000

7.Try yourself

8. How many days are there in 15 weeks?

Sol:

Number of days in one week=7

Number of days in 15weeks=

15×7= 105 days.

9. A factory produces 2500 boxes in a day. How boxes will be produced in months of march and april?

Sol:

Number of boxes produced by factory in a day=2500

Total number of days in march and april =61days

Number of boxes produced in march and april=2500×61

=1,52,500

10. Try yourself

11. Write 0032 hours in 12-hour clock time.

Sol:

12:32am

12. How many leap years are there between the years 2010 and 2020?

Sol:

2years.

13 and 14 Try yourself.

15. Say ‘yes’ or ‘no’.

To convert smaller units into larger units, we multiply No.

16. The cost of 1 score of bananas is ₹80. What is the cost of 2 dozen bananas?(1score=20)

Sol:

Cost of 1 score bananas=₹80

Cost of 1 banana is= 80÷20

=₹4

Cost of 2 dozen(24) bananas=

24×4=₹96

17,18 Try yourself.

19. Which has 1 end point-aline,a line segment or a ray?

Sol

A ray has 1 end point.

20.Try yourself.

21.Find perimeter of the following figures.

Sol:16cm

22. Try yourself.

Chapter: Large numbers

Ex:-2.1

1.Mark the periods using commas in the following numbers.

a) 2637145

Sol:-

26,37,145

b) 4367201

Sol:-

43,67,201

c) 17863982

Sol:-

1,78,63,982

d) 60405107

Sol:-

6,04,05,107

e , f Try yourself.

2. Write the following numbers using place value chart.

a) 36,72,891

Sol:-

Lakhs		Thousands		Ones		
TL	L	TTh	Th	H	T	O
3	6	7	2	8	9	1

b) 5,83,59,241

Sol:

Crores		Lakhs		Thousands		Ones			
TC	C	TL	L	TTh	Th	H	T	O	

5	8 3	5 9	2 4 1

c) ,d) Try yourself.

e) 77,67,193

Sol:

Lakhs		Thousands		Ones			
TL	L	TTh	Th	H	T	O	
7	7	6	7	1	9	3	

f) 91,00,89,240

Sol:

Crores		Lakhs		Thousands		Ones			
TC	C	TL	L	TTh	Th	H	T	O	
9	1	0	0	8	9	2	4	0	

3. Write the following numerals.

a) Forty-five lakh six thousand nine.

Sol:

45,06,009

b) Twenty-eight crore nine hundred forty-two.

Sol:

28,00,00,942

c) Seven-crore three hundred nine.

Sol:

7,00,00,309

d) one crore six lakh three thousand five.

Sol:

1,06,03,005

e),f) Try yourself.

g) Twenty-three crore eight lakh thirty thousand sixteen.

Sol:

23,08,30,016

4. Write the following in words.

a) 3,45,678

Sol:

Three lakh forty-five thousand six hundred seventy-eight.

b) 27,80,403

Sol

Twenty-seven lakh eighty thousand four hundred three.

c) 40,07,017

Sol:

Forty lakh seven thousand seventeen

d) e) Try yourself.

f) 6,07,09,102

Sol:

Six crore seven lakh nine thousand one hundred two

g) 82,90,00,009

Sol:

Eighty-two crore ninety lakh nine.

h) 23,00,04,000

Sol:

Twenty-three crore four thousand.

5. Form new numbers by reversing the digits of the following numbers. Also, write numbers so formed.

a) 63,39,201

Sol:

10,29,336

Ten lakh twenty-nine thousand three hundred thirty-six.

b) 56,30,957

Sol:

75, 90,365

Seventy-five lakh ninety thousand three hundred sixty-five.

c) 4,07,06,211

Sol:

1,12,60,704

One crore twelve lakh sixty thousand seven hundred four.

d), 6,00,06,738

Sol:

8,37,60,006

Eight crore thirty -seven lakh sixty thousand six.

e),f) Try yourself.

Ex 2.2

1. Write the number names of the following numbers according to the International place value system.

   a) 4517301

   Sol: Four million five hundred seventeen thousand three hundred one.

   b) 9340001

Sol: Nine million three hundred forty thousand one.

c), d) Try yourself.

e) 5883279

Sol: Five million eight hundred eighty-three thousand two hundred seventy-nine.

f) 581417530

Sol:

I Five hundred eighty-one million four hundred seventeen thousand five hundred thirty.

2. Write numerals for the following numbers and place commas correctly.

   a) Ninety-seven lakh fifty-three thousand fifteen.

Sol: 97,53,015

b) Seventy-three crore five lakh eighty-five thousand three hundred five.

Sol:

73,05,85,305

c) Eighty-five lakh two hundred.

Sol:

85,00,200

d),e) Try yourself.

f) One hundred million two hundred thousand five.

Sol:

100,200,005

3. Rearrange the commas according to the International place value system.

a) 89,76,86,824

Sol:

897,686,824

b) 49,00,70,100

Sol:

490,070,100

c),d) Try yourself.

e) 70,99,140

Sol:

7,099,140

f) 6,79,402

Sol:

679,402

g) 8,35,44,738

Sol:

83,544,738

h) 7,87,36,438

Sol

78,736,438

4. Fill in the blanks.
    a) 1 crore = 100 lakhs.
    b) 1 trillion= 1000 billions.
    c) 10 lakhs = 1 million.
    d) 10 millions= 1 crore.
    e) 1 Lakh= 10 ten thousands.
    f) Try yourself.
5. Try yourself

6. Write the following number names according to the International place value system.
    a) Eighty-seven lakh fifty-three thousand twelve.

    Sol: Eight million seven hundred fifty-three thousand twelve.

    b) Seventy-three crore five lakh eighty-five thousand three hundred five.

Sol: Eight million five hundred thousand seven.

c) Eighty -five lakh seven.

Sol:Eight million five hundred thousand seven.

d) Try yourself.

e) Three crore six lakh forty-two thousand eight hundred ten.

Sol:

Thirty million six hundred forty-two thousand eight hundred ten.

Ex: 2.3

1. Write the face value and the place of the coloured digit in each of the following number.

a) 1,27,804

Sol:

Face value=0

Place value =0

b) 8,34,796

Sol:

Face value= 4

Place value= 4,000

c) 14,08,563

Sol:

Face value= 1

Place value= 10,00,000

d) e)Try yourself.

2. Write the place value of the coloured digits in each number. Also,write the sum of the place values of the coloured digits.

a) 8,14,549

Sol:

Place value of 1= 10,000

Place value of 5= 500

Sum of the place values

= 10,000+ 500= 10,500

b) 27,50,781

Sol:

Place value of 7= 7,00,000 and 700

Sum of place values= 7,00,000+700=7,00,700

c) 60,35,056

Sol:

Place value of 6= 60,00,000

Place value of 5= 5,000

Sum of place values=

60,00,000+5000=60,05,000

d),e) and f) Try yourself.

3. Write the following numbers in the expanded form. Also, write their expanded form in words.

a) 10,32,522

Sol:

10,00,000+30,000+2,000+500+20+2

1lakh+3 ten thousand +2 thousand+5hundred+2tens+2ones

b), C) Try yourself

d) 39,25,61,053

Sol:

30,00,00,000+9,00,00,000+20,00,000+5,00,000+60,000+1,000+50+3

3 ten crore+9crores+2 ten lakhs+5lakhs+6 ten thousands+1 thousand +5 tens+3 ones.

e),f) Try yourself.

4.Write the standard form for each of the following.

d) 8,00,000+10,000+4000+500+20+3

Sol;

8,14,523

e) ,C) Try yourself.

D 60,00,00,000+9,00,000+1

Sol:

60,09,00,0001

e)6lakhs+4ten thousands+ 7 ones

Sol:

6,40,007

f) 4 crores+6ten thousands +4hundreds+9ones

Sol:

4,00,60,409

g) Try yourself.

5.Find the following.

a) Number of 7-digit numbers= 9000000.

b) Number of 8-digit numbers=90000000

c) Number of 9-digit numbers= 900000000.

Ex: 2.4

1. Identify the order (ascending and desending) in which the numbers are arranged.

a)

sol: Descending order.

b)

sol: Ascending order.

c)

sol: Ascending order.

d)

sol: Descending order.

2. Write the successor and predecessor of each number.

a) 7,67,84,895

Sol:

Successor = 7,67,84,896

Predecessor=7,67,84,894

b) 1,58,90,281

Sol:

Successor=1,58,90,282

Predecessor=1,58,90,280

c),d) Try yourself

e) 3,52,06,419

Sol:

Successor=3,52,06,420

Predecessor=3,52,06,418

f),g) Try yourself

h) 5,69,93,875

Sol:

Successor=5,69,93,876

Predecessor=5,69,93,874

i),j),k) Try yourself.

L) 76,00,00,012

Sol:

Successor=76,00,00,013

Predecessor=76,00,00,011

3.Compare each pair of numbers and put < or > sign.

a) 55,05,05,055 $\geq$ 50,05,05,055

b) 78,10,23,408$\leq$78,10,23,418

c) ,d)e) Try yourself.

f) 6,15,42,086 $\leq$6,44,17,819

4.Form the smallest and greatest numbers using the given digits. Use all the digits and do not repeat any digit.

a) 1,4,5,0,8,7,3,2

Sol:

Smallest number=1,02,34,578

Greatest number=8,75,43,210

b)3,5,7,1,9,2

sol:

Smallest number=1,23,579

Greatest number=9,75,321

C) Try yourself.

d) 7,9,5,3,8,1,4

Sol:

Smallest number=13,45,789

Greatest number=98,75,431

Q5 and Q6 : Do yourself.

Ex 2.5

1. Round off the following numbers to nearest 10.
   a) 23
      Sol: 20
   b) 146
      Sol: 150
   c) 258

   Sol: 260

   d)1062

   sol: 1060

   e), f) g) h) Try yourself.

   i) 347

   Sol: 350

   j) 24

   Sol:20

2. Round off the following numbers to nearest 100.
   a) 3496
      Sol: 3500

b) 5998

Sol; 6000

C) 1058

Sol: 1100

d)7460

sol; 7500

e,f,gTry yourself.

h)3252

Sol: 3300

i),j)Try yourself.

3. Round off the following numbers to nearest 1000.

a) 6349

Sol:6000

b)57,210

Sol:57,000

c)2196

Sol: 2000

D,e,f,g Try yourself.

h)12,346

Sol; 12,000

i)32,784

Sol: 33,000

j) Try yourself.

Ex: 2.6

1. Write the corresponding Hindi-Arabic numerals for the following.
   a) LXIX
      SOL:
      69
   b) XLVIII
      Sol:
      48
   c) XCIV
      Sol:
      94

D,e) Try yourself.

2. Write the corresponding Roman numerals for the following.
   a) 59
      Sol:
      LIX
   b) 98
      Sol:
      XCVIII
   c) 324
      Sol:
      CCCXXIV
      D,e) Try yourself
3. Which of the following Roman numerals are meaningless?Give reason to justify your answer.

a) DCVX

Sol: Meaningless as the symbol V is never subtracted.

b) LXIIII

Sol:

Meaningless as the symbol I is repeated 4 times, which is not possible.

e)XDIV

Sol:

Meaningless as the symbol X cannot be subtracted fròm D.

4. Fill in the circles with correct symbol < or>.
   a) XVI ≥ XIV
   b) LXVII ≥ XLVII
   c) CD ≤ DC
   d) ,e),f) Try yourself.
5. Solve the following and write the answers in Roman numerals.
   a) XXX+IX

      Sol: XXXIX

   b) XXXVIII-XXI

      Sol:

      XVII

      C),d)Try yourself.

      e) CCI-CXLVI

      sol:

      LV

f)CDLI-CDXI

sol:

XL.