



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD



Class : 8

Subject : ARITHMETIC

Term : FINAL TERM

Max Marks : 80

Q 1 : Comparing $-7/8$ and $-11/12$ we have

Marks : 1

1. $(-11/12) < (-7/8)$

(This Answer is Correct)

2. $(-11/12) > (-7/8)$

3. $(-11/12) = (-7/8)$

4. none of these

Q 2 : comparing $19/25$ and $(-38/50)$ we have

Marks : 1

1. $19/25 = (-38/50)$

2. $(-38/50) < 19/25$

(This Answer is Correct)

3. $19/25 < (-38/50)$

4. none of these

Q 3 : Comparing $4/14$ and $(-4/7)$ we have

Marks : 1

1. $4/14 < (-4/7)$

2. $4/14 = (-4/7)$

3. $4/14 > (-4/7)$

(This Answer is Correct)

4. none of these

Q 4 : If a/b and c/d are any rational numbers, $(a/b \times c/d) = (c/d \times a/b)$. This is known as

Marks : 1

1. commutative property

(This Answer is Correct)

2. closure property

3. associative property

4. none of these

Q 5 : Fill in the blanks: $(-19/40) \times 8/11 = 8/11 \times \underline{\hspace{2cm}}$

Marks : 1

1. $(-40/19)$

2. $(-29/40)$

3. $(-19/40)$

(This Answer is Correct)

4. none of these

Q 6 : Write down multiplicative inverse of (14/-9)

Marks : 1

- 1 . (-9/14)
- 2 . (9/14)
- 3 . (-14/9)
- 4 . none of these

(This Answer is Correct)

Q 7 : Find the square root of 900

Marks : 1

- 1 . 90
- 2 . 30
- 3 . 40
- 4 . none of these

(This Answer is Correct)

Q 8 : Find the square root of 0.25

Marks : 1

- 1 . 0.5
- 2 . 0.05
- 3 . 0.005
- 4 . none of these

(This Answer is Correct)

Q 9 : Find square root of 144/81

Marks : 1

- 1 . (12/8)
- 2 . (3/4)
- 3 . (4/3)
- 4 . none of these

(This Answer is Correct)

Q 10 : Ankur has a square painting with an area of 1764 sq cm . Find length of one side.

Marks : 1

- 1 . 24 cm
- 2 . 42cm
- 3 . 36 cm
- 4 . none of these

(This Answer is Correct)

Q 11 : The square of a proper fraction_____

Marks : 1

- 1 . is always less than the given fraction
- 2 . is always greater than the given fraction
- 3 . (i) and (ii) both are possible
- 4 . none of these

(This Answer is Correct)

Q 12 : Which of the number is not a perfect square?

Marks : 1

- 1 . 90000
- 2 . 25000
- 3 . 1600
- 4 . 1000000

(This Answer is Correct)

Q 13 : Square of an even number

Marks : 1

- 1 . is always even
- 2 . is always odd
- 3 . can be both
- 4 . is a prime number

(This Answer is Correct)

Q 14 : Square root of 0.01 is

Marks : 1

- 1 . 0.001
- 2 . 0.0001
- 3 . 0.1
- 4 . none of these

(This Answer is Correct)

Q 15 : $\sqrt{(16/36 + 1/4)}$

Marks : 1

- 1 . (5/6)
- 2 . (6/5)
- 3 . (3/4)
- 4 . none of these

(This Answer is Correct)

Q 16 : Find out square root of 6.25

Marks : 1

- 1 . 5.2
- 2 . 0.25
- 3 . 2.5
- 4 . none of these

(This Answer is Correct)

Q 17 : Find out square of 1.6?

Marks : 1

- 1 . 15.6
- 2 . 25.6
- 3 . 0.256
- 4 . 2.56

(This Answer is Correct)

Q 18 : What is the cube root of -216

Marks : 1

- 1 . 6
- 2 . -6
- 3 . ± 6
- 4 . none of these

(This Answer is Correct)

Q 19 : Find 12% of Rs 600.

Marks : 1

- 1 . Rs 72
- 2 . Rs 78
- 3 . Rs 60
- 4 . none of these

(This Answer is Correct)

Q 20 : 35% of 2kg is

Marks : 1

- 1 . 500 gm
- 2 . 400gm
- 3 . 70 gm
- 4 . 700gm

(This Answer is Correct)

Q 21 : Decrease 200 by 4%

Marks : 1

- 1 . 192
- 2 . 129
- 3 . 190
- 4 . none of these

(This Answer is Correct)

Q 22 : Increasing 300 by 5% we have

Marks : 1

- 1 . 320
- 2 . 315
- 3 . 310
- 4 . none of these

(This Answer is Correct)

Q 23 : Find 5% of 5% of 500

Marks : 1

- 1 . 1.25
- 2 . 12.5
- 3 . 125
- 4 . none of these

(This Answer is Correct)

Q 24 : Find 80% of 5000

Marks : 1

- 1 . 4500
- 2 . 3500
- 3 . 3000
- 4 . 4000**

(This Answer is Correct)

Q 25 : A certain sum of money amounts to $\frac{7}{4}$ of itself in 3 years. Then find rate of interest.

Marks : 1

- 1 . 25%**
- 2 . 15%
- 3 . 20%
- 4 . 10%

(This Answer is Correct)

Q 26 : In how many years will Rs 25 become Rs 37 at 16% ?

Marks : 1

- 1 . 2 yrs
- 2 . 5 yrs
- 3 . 6 yrs
- 4 . 3 yrs**

(This Answer is Correct)

Q 27 : At what percent per annum simple interest will a sum of money triple itself in 25 years?

Marks : 1

- 1 . 8%**
- 2 . 10%
- 3 . 5%
- 4 . none of these

(This Answer is Correct)

Q 28 : A moneylender lends Rs. 60 and collects Rs. 66 at the end of four months. The rate of interest p.a. is

Marks : 1

- 1 . 20%
- 2 . 30%**
- 3 . 10%
- 4 . none of these

(This Answer is Correct)

Q 29 : A four year Indira Vikas certificate with a maturity value of Rs. 700 is purchased for Rs. 500. The rate % p.a. is

Marks : 1

- 1 . 15%
- 2 . 10%**
- 3 . 20%
- 4 . none of these

(This Answer is Correct)

Q 30 : In what time period will Rs. 10,000 earn an interest of Rs. 2,000 at 10 % p.a.? **Marks : 1**

1 . 2yrs (This Answer is Correct)

2 . 4 yrs

3 . 5 yrs

4 . none of these

Q 31 : Multiply: $-14/33 \times -3/28$ **Marks : 1**

1 . -0.047619047619

2 . (1/22) (This Answer is Correct)

3 . (2/23)

4 . none of these

Q 32 : Simplify: $(-a/b) \div a/b$ **Marks : 1**

1 . 1

2 . 0

3 . -1 (This Answer is Correct)

4 . none of these

Q 33 : Find a rational number between $1/5$ and $1/6$ **Marks : 1**

1 . (1/60)

2 . (11/60) (This Answer is Correct)

3 . (11/30)

4 . none of these

Q 34 : If $(a/b \times c/d) \times e/f = a/b \times (c/d \times e/f)$ for any rational numbers a/b , c/d and e/f . This is known as **Marks : 1**

1 . associative law of addition

2 . distributive property

3 . associative law of multiplication (This Answer is Correct)

4 . none of these

Q 35 : A spinner having numbers 2,3,4,5,6,7 is spun. Find probability of getting 5. **Marks : 1**

1 . (1/5)

2 . (1/6) (This Answer is Correct)

3 . (1/7)

4 . none of these

Q 36 : Comparing $3/14$ and $9/42$ we have

Marks : 1

1. $3/14 < 9/42$
2. $3/14 > 9/42$
3. $3/14=9/42$
4. none of these

(This Answer is Correct)

Q 37 : Comparing $3/14$ and $5/21$ we have

Marks : 1

1. $5/21 > 3/14$
2. $5/21 < 3/14$
3. $5/21= 3/14$
4. none of these

(This Answer is Correct)

Q 38 : Write down the rational numbers whose absolute values are $7/8$

Marks : 1

1. $(7/8)$
2. $(-7/8)$
3. both
4. none of these

(This Answer is Correct)

Q 39 : Express $(-32/56)$ as a rational number with numerator 4

Marks : 1

1. $(4/7)$
2. $(4/14)$
3. $(-4/14)$
4. $(-4/7)$

(This Answer is Correct)

Q 40 : Comparing $(-11/25)$ and 0 we have

Marks : 1

1. $0 > (-11/25)$
2. $0 < (-11/25)$
3. $0 \leq (-11/25)$
4. none of these

(This Answer is Correct)

Q 41 : Add: $1/6 + 2/3$

Marks : 1

1. $(6/5)$
2. $(5/6)$
3. $(2/3)$
4. none of these

(This Answer is Correct)

Q 42 : If the sum of any rational number and 0 is the rational number itself.then it is known as **Marks : 1**

- 1 . closure property
- 2 . commutative property
- 3 . property of zero** (This Answer is Correct)
- 4 . none of these

Q 43 : Additive inverse of $(-21/23)$ is **Marks : 1**

- 1 . $21/23$** (This Answer is Correct)
- 2 . $23/21$
- 3 . 0
- 4 . none of these

Q 44 : Additive inverse of $(-23/-40)$ is **Marks : 1**

- 1 . $(-40/23)$
- 2 . $(-23/40)$** (This Answer is Correct)
- 3 . $23/40$
- 4 . $40/23$

Q 45 : If a/b and c/d are any two rational numbers then $a/b - c/d$ is also a rational number.This is known as **Marks : 1**

- 1 . property of zero
- 2 . commutative property
- 3 . closure property** (This Answer is Correct)
- 4 . none of these

Q 46 : Find square of 1.5 **Marks : 1**

- 1 . 2.25** (This Answer is Correct)
- 2 . 225
- 3 . 22.5
- 4 . none of these

Q 47 : Find square of 0.018 **Marks : 1**

- 1 . 0.324
- 2 . 0.00324
- 3 . 0.0324
- 4 . 0.000324** (This Answer is Correct)

Q 48 : A perfect square _____

Marks : 1

1. can be negative
2. is always positive
3. both
4. none of these

(This Answer is Correct)

Q 49 : A perfect square never ends with

Marks : 1

1. 2
2. 3
3. 8
4. all of the above

(This Answer is Correct)

Q 50 : which of the following is a perfect square?

Marks : 1

1. 71498
2. 576
3. 712
4. none of these

(This Answer is Correct)

Q 51 : Find out square root of 16/49?

Marks : 1

1. (7/4)
2. (5/7)
3. (4/7)
4. none of these

(This Answer is Correct)

Q 52 : Cube of 8 is

Marks : 1

1. 512
2. 215
3. 412
4. none of these

(This Answer is Correct)

Q 53 : What is the perfect cube of -7

Marks : 1

1. -343
2. 343
3. 434
4. none of these

(This Answer is Correct)

Q 54 : Find out perfect cube of (4/5)

Marks : 1

1. 16/125
2. 64/125
3. 64/25
4. none of these

(This Answer is Correct)

Q 55 : Find out square root of (-8/27)

Marks : 1

1. (-2/3)
2. (2/3)
3. (-3/2)
4. (3/2)

(This Answer is Correct)

Q 56 : Write it in percentage : 19/20

Marks : 1

1. 59%
2. 90%
3. 85%
4. 95%

(This Answer is Correct)

Q 57 : Write it in ratio form: 45%

Marks : 1

1. (9/20)
2. (3/20)
3. (6/20)
4. none of these

(This Answer is Correct)

Q 58 : Express the first quantity as a percentage of the second quantity: 10 cm of 1 m

Marks : 1

1. 15%
2. 20%
3. 25%
4. 10%

(This Answer is Correct)

Q 59 : Express 84% in decimal form.

Marks : 1

1. 0.48
2. 0.54
3. 0.84
4. none of these

(This Answer is Correct)

Q 60 : Express 11:20 as percentage

Marks : 1

1. 45%
2. 55%
3. 85%
4. none of these

(This Answer is Correct)

Q 61 : Find ratio of 130%

Marks : 1

1. 12:10
2. 10:13
3. 13:15
4. 13:10

(This Answer is Correct)

Q 62 : Write 2.575 as percentage

Marks : 1

1. 25.75%
2. 2.58%
3. 257.50%
4. none of these

(This Answer is Correct)

Q 63 : Convert 64% into ratio

Marks : 1

1. 16:25
2. 0 25: 16
3. 5:16
4. none of these

(This Answer is Correct)

Q 64 : Convert 85% in fraction to the lowest form

Marks : 1

1. 20/17
2. 19/17
3. 17/20
4. none of these

(This Answer is Correct)

Q 65 : Fill in the blanks: $-25 \times (-7/25) = (-7/25) \times \underline{\hspace{2cm}}$

Marks : 1

1. (-25)
2. (1/25)
3. (7/25)
4. none of these

(This Answer is Correct)

Q 66 : What should be subtracted from $(-14/15)$ to get $(-1/30)$?

Marks : 1

- 1 . $(-27/30)$
- 2 . $27/30$
- 3 . $(-29/30)$
- 4 . none of these

(This Answer is Correct)

Q 67 : What number should be added to $(-13/20)$ to get $(-1/60)$?

Marks : 1

- 1 . $(-19/30)$
- 2 . $19/30$
- 3 . $(-38/60)$
- 4 . none of these

(This Answer is Correct)

Q 68 : Which property of multiplication is not involved in the following: $32 \times 1/4 = (8 \times 4) \times 1/4 = 8 \times (4 \times 1/4) = 8 \times 1 = 8$

Marks : 1

- 1 . associative property
- 2 . multiplicative inverse property
- 3 . property of 1
- 4 . commutative property

(This Answer is Correct)

Q 69 : The product of 2 numbers are ia -13. If one of the numbers is $(-65/7)$.Find the other.

Marks : 1

- 1 . $(-5/7)$
- 2 . $(-7/5)$
- 3 . $(5/7)$
- 4 . $(7/5)$

(This Answer is Correct)

Q 70 : What should be multiplied with 60 to get a perfect square?

Marks : 1

- 1 . 15
- 2 . 25
- 3 . 5
- 4 . 3

(This Answer is Correct)

Q 71 : What is the smallest number to be multiplied with 200 to get perfect cube?

Marks : 1

- 1 . 2
- 2 . 10
- 3 . 5

(This Answer is Correct)

4 . none of these

Q 72 : What is the smallest number that should be multiplied with 675 to get a perfect cube?

Marks : 1

1 . 4

2 . 2

3 . 5

(This Answer is Correct)

4 . none of these

Q 73 : If 80% of x is 256.Find x

Marks : 1

1 . Rs 324

2 . Rs 320

(This Answer is Correct)

3 . Rs 420

4 . none of these

Q 74 : What percentage of 360 cm is 12 cm?

Marks : 1

1 . 10/7%

2 . 10/3 %

(This Answer is Correct)

3 . 7/3%

4 . none of these

Q 75 : Bobby remains awake for 18 hrs. Find what percentage of the day he remains awake?

Marks : 1

1 . 25%

2 . 50%

3 . 75%

(This Answer is Correct)

4 . none of these

Q 76 : The simple interest on a sum of money is 1/4th of the principal and the number of years is equal to the rate % p.a. The rate % p.a. is

Marks : 1

1 . 10%

2 . 8%

3 . 5%

(This Answer is Correct)

4 . none of these

Q 77 : A spinner having numbers 2,3,4,5,6,7 is spun.Find probability of getting prime number?

Marks : 1

1 . (2/3)

(This Answer is Correct)

- 2 . (1/3)
 - 3 . (4/7)
 - 4 . none of these
-

Q 78 : Instead of numbers if letters of the word CHANCE are stuck in a die.Now if the die is rolled then find the probability of getting vowels? **Marks :** 1

- 1 . (2/5)
- 2 . (1/6)
- 3 . (3/5)
- 4 . (1/3)**

(This Answer is Correct)

Q 79 : Instead of numbers if letters of the word CHANCE are stuck in a die.Now if the die is rolled then find the probability of getting H. **Marks :** 1

- 1 . (1/6)**
- 2 . (2/6)
- 3 . (1/5)
- 4 . none of these

(This Answer is Correct)

Q 80 : If a die is rolled once then find out probability of getting odd number. **Marks :** 1

- 1 . (1/3)
 - 2 . (1/2)**
 - 3 . (3/5)
 - 4 . none of these
-

(This Answer is Correct)