



ST. LAWRENCE HIGH SCHOOL

27, BALLYGUNGE CIRCULAR ROAD

**Class : 7****Subject : ARITHMETIC****Term : FIRST TERM****Max Marks : 60****Q 1 :** A perfect square number's last digit is never**Marks : 1**

- 1 . 8
- 2 . 1
- 3 . 2
- 4 . 0

 (This Answer is Correct)**Q 2 :** The mean proportional between 7 and 63 is**Marks : 1**

- 1 . 12
- 2 . 21
- 3 . 7
- 4 . 63

 (This Answer is Correct)**Q 3 :** The square root of 3136 is**Marks : 1**

- 1 . 56
- 2 . 65
- 3 . 0.56
- 4 . 6.5

 (This Answer is Correct)**Q 4 :** The number when multiplied by 980,gives perfect square is**Marks : 1**

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

 (This Answer is Correct)**Q 5 :** The number when multiplied by 243,gives perfect cube is**Marks : 1**

- 1 . 3
- 2 . 1
- 3 . 1.2
- 4 . 6

 (This Answer is Correct)

Q 6 : The side of a cube whose volume is 343cm^3 is

Marks : 1

1. 8cm
2. 7cm
3. 9cm
4. 10cm

(This Answer is Correct)

Q 7 : $40 \times A$ is a perfect cube, then A is

Marks : 1

1. 1
2. 2
3. 3
4. 25

(This Answer is Correct)

Q 8 : Square of 5 is

Marks : 1

1. 25
2. -25
3. 5
4. 10

(This Answer is Correct)

Q 9 : Positive square root of 64 is

Marks : 1

1. 8
2. -8
3. 2
4. 0

(This Answer is Correct)

Q 10 : The cube of 1 is

Marks : 1

1. -1
2. 1
3. 0
4. 3

(This Answer is Correct)

Q 11 : Cube root of 8 is

Marks : 1

1. 2
2. 1
3. 5
4. 64

(This Answer is Correct)

Q 12 : Ratio of 15:5 is

Marks : 1

- 1 . 3:1
- 2 . 2:1
- 3 . 1:3
- 4 . 1:1

(This Answer is Correct)

Q 13 : Ratio between 10 minutes and 1 hour is

Marks : 1

- 1 . 1:6
- 2 . 1:2
- 3 . 1:3
- 4 . 1:4

(This Answer is Correct)

Q 14 : If $x : y = 3 : 5$ and $y : z = 5 : 4$, $x : z$ is

Marks : 1

- 1 . 4:3
- 2 . 3:4
- 3 . 1:1
- 4 . 1:2

(This Answer is Correct)

Q 15 : The height of a student increases in the ratio 2:3. The height at present is 140cm, what is the new height?

Marks : 1

- 1 . 100cm
- 2 . 120cm
- 3 . 210cm
- 4 . 150cm

(This Answer is Correct)

Q 16 : Which of the following numbers are in proportion?

Marks : 1

- 1 . 1,2,2,3
- 2 . 1,2,3,4
- 3 . 2,3,4,6
- 4 . 3,4,5,6

(This Answer is Correct)

Q 17 : The fourth proportional to 2,3,4 is

Marks : 1

- 1 . 1
- 2 . 2
- 3 . 3
- 4 . 6

(This Answer is Correct)

Q 18 : If $26 : x = 13 : 1$, then the value of x is

Marks : 1

- 1 . 2
- 2 . 1
- 3 . 3
- 4 . 0

(This Answer is Correct)

Q 19 : The third proportional to 2 and 4 is

Marks : 1

- 1 . 8
- 2 . 4
- 3 . 1
- 4 . 0

(This Answer is Correct)

Q 20 : 5 bags of sugar weigh 15kg.How much will 1 bag weigh?

Marks : 1

- 1 . 3kg
- 2 . 1kg
- 3 . 1.5 kg
- 4 . 10kg

(This Answer is Correct)

Q 21 : For 2 days the food is enough for 5 men. For 1 day food is enough for how many men?

Marks : 1

- 1 . 2
- 2 . 10
- 3 . 3
- 4 . 5

(This Answer is Correct)

Q 22 : Which of the following numbers is a perfect square?

Marks : 1

- 1 . 4
- 2 . 5
- 3 . 6
- 4 . 7

(This Answer is Correct)

Q 23 : $\sqrt{0.09} = ?$

Marks : 1

- 1 . 0.2
- 2 . 0.1
- 3 . 3
- 4 . 0.3

(This Answer is Correct)

Q 24 : If $b^2=361$, b is equal to

Marks : 1

1. 17
2. 16
- 3. 19**
4. 13

(This Answer is Correct)

Q 25 : $\sqrt{9} \times \sqrt{100}$ is equal to

Marks : 1

- 1. 30**
2. 3
3. 10
4. 300

(This Answer is Correct)

Q 26 : $\sqrt[3]{1}$ is equal to

Marks : 1

1. -1
- 2. 1**
3. 3
4. -3

(This Answer is Correct)

Q 27 : $\sqrt{20}$ is between which two integers?

Marks : 1

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

(This Answer is Correct)

Q 28 : $\sqrt{-25}$ is equal to

Marks : 1

1. 5
2. -5
3. 5 & -5
- 4. none of these**

(This Answer is Correct)

Q 29 : Value of $-\sqrt{144}$

Marks : 1

- 1. -12**
2. 12
3. 144
4. 24

(This Answer is Correct)

Q 30 : 5 pens cost ₹ 25. What is the cost of 8 pens in rupees?

Marks : 1

- 1 . 40
- 2 . 20
- 3 . 10
- 4 . 80

(This Answer is Correct)

Q 31 : A tap can fill a tank in 4 hours.2 taps can fill the tank in

Marks : 1

- 1 . 2hrs
- 2 . 4hrs
- 3 . 1hr
- 4 . 0.5 hrs

(This Answer is Correct)

Q 32 : What number has a 5:1 ratio to the number 10?

Marks : 1

- 1 . 500
- 2 . 50
- 3 . 5
- 4 . 150

(This Answer is Correct)

Q 33 : If $1 : 3 = 1 : x$. The value of x is?

Marks : 1

- 1 . 10
- 2 . 3
- 3 . 1
- 4 . $\frac{3}{8}$

(This Answer is Correct)

Q 34 : The reciprocal of 3:11 is

Marks : 1

- 1 . 11:3
- 2 . 5:2
- 3 . 7:2
- 4 . 7:3

(This Answer is Correct)

Q 35 : Cube root of -8×729 is

Marks : 1

- 1 . 18
- 2 . -18
- 3 . 0
- 4 . 6

(This Answer is Correct)

Q 36 : Example of a perfect cube is

Marks : 1

1. 79
2. 81
3. 36
4. 125

(This Answer is Correct)

Q 37 : Cube root of 0.008 is

Marks : 1

1. 0.12
2. 0.3
3. 0.2
4. 2

(This Answer is Correct)

Q 38 : Number of square roots a positive number has

Marks : 1

1. 2
2. 3
3. 0
4. 4

(This Answer is Correct)

Q 39 : How many square roots 0 has?

Marks : 1

1. 1
2. 2
3. 0
4. 3

(This Answer is Correct)

Q 40 : If a, b, c are in continued proportion, then

Marks : 1

1. $a^2=bc$
2. $b^2=ac$
3. $a=bc$
4. $a=b=c$

(This Answer is Correct)

Q 41 : 0.7 : 2.1 is

Marks : 1

1. 3:1
2. 1:3
3. 1:2
4. 1:4

(This Answer is Correct)

Q 42 : $\frac{1}{8}:\frac{1}{4}$ is

Marks : 1

- 1 . 1:2
- 2 . 1:4
- 3 . 1:7
- 4 . 2:3

(This Answer is Correct)

Q 43 : 800 m : 8km

Marks : 1

- 1 . 1:10
- 2 . 5:1
- 3 . 2:3
- 4 . 3:2

(This Answer is Correct)

Q 44 : Double bar graph is a type of

Marks : 1

- 1 . Bar graph
- 2 . Line graph
- 3 . Pie-Chart
- 4 . Histogram

(This Answer is Correct)

Q 45 : $a \times a = a^2$ is

Marks : 1

- 1 . square
- 2 . cube
- 3 . cube root
- 4 . none of these

(This Answer is Correct)

Q 46 : $a \times a = a^3$ is

Marks : 1

- 1 . square root
- 2 . square
- 3 . cube
- 4 . none of these

(This Answer is Correct)

Q 47 : $\sqrt{a} \times \sqrt{b}$ is equal to

Marks : 1

- 1 . \sqrt{ab}
- 2 . ab
- 3 . a^2b^2
- 4 . $a\sqrt{b}$

(This Answer is Correct)

Q 48 : $\sqrt{a \div b}$ is equal to

Marks : 1

1. $\sqrt{a \div b}$
2. $a \div b$
3. $a \div \sqrt{b}$
4. $b \div a$

(This Answer is Correct)

Q 49 : The $\sqrt{\quad}$ symbol is

Marks : 1

1. cube root
2. cube
3. square
4. square root

(This Answer is Correct)

Q 50 : $(3-7)^2 + 3^2 - 7^2$ is equal to

Marks : 1

1. 56
2. 65
3. 7
4. 3

(This Answer is Correct)

Q 51 : Cube root of $(27 \div 64)$

Marks : 1

1. $4 \div 3$
2. $3 \div 4$
3. $3 \div 8$
4. $9 \div 8$

(This Answer is Correct)

Q 52 : $4 \times (-10^3)$ is

Marks : 1

1. -400
2. 4000
3. -4000
4. -40

(This Answer is Correct)

Q 53 : 9.315×10^4 is

Marks : 1

1. 931.5
2. 93.15
3. 9315
4. 93150

(This Answer is Correct)

Q 54 : 54 divided by which number, gives a perfect cube

Marks : 1

- 1 . 2
- 2 . 3
- 3 . 1
- 4 . -3

(This Answer is Correct)

Q 55 : 61 days : 1 leap year is

Marks : 1

- 1 . 1:6
- 2 . 6:1
- 3 . 5:6
- 4 . 1:7

(This Answer is Correct)

Q 56 : a, b, c, d are in proportion if

Marks : 1

- 1 . a:b=c:d
- 2 . abcd=1
- 3 . a=b=c=d
- 4 . none of these

(This Answer is Correct)

Q 57 : If $b^2 = ac$, b is called the _____ proportional

Marks : 1

- 1 . mean
- 2 . third
- 3 . fourth
- 4 . none of these

(This Answer is Correct)

Q 58 : Mean proportional between a & c is

Marks : 1

- 1 . \sqrt{ac}
- 2 . ac^2
- 3 . $a \div c$
- 4 . $a + c$

(This Answer is Correct)

Q 59 : Cube root of 6859 is

Marks : 1

- 1 . 19
- 2 . 29
- 3 . 39
- 4 . 17

(This Answer is Correct)

Q 60 : Which of the following ratios is the largest?

Marks : 1

- 1 . 5:8
- 2 . 1:4
- 3 . 10:33
- 4 . 2:3**

(This Answer is Correct)
