

Strand Test (Number and Operation)

Question 1

I. 3681 is divisible by:

- a) 4
- b) 5
- c) 9
- d) 10

II. The difference of $22 - (-87)$ is

- a) 107
- b) 108
- c) 109
- d) 110

III. Repeated multiplication can be written in the form of

- a) addition
- b) division
- c) exponent
- d) multiplication

IV. Standard form of $4 \times 10^9 + 5 \times 10^7 + 6 \times 10^3$ is

- a) 4050006000
- b) 4000050600
- c) 40050060060
- d) 405006000

V. The GCF of 7 and 10 is

- a) 4
- b) 3
- c) 2
- d) 1

VI. The LCM of 12 and 18 is

- a) 4
- b) 6
- c) 12
- d) 36

VII. Sonam spent, $\frac{1}{2}$ hours for completing homework and spent $\frac{4}{2}$ hours to read the books during her week ends. Find the total time spent by Sonam?

- a) $\frac{3}{2}$
- b) $\frac{4}{2}$
- c) $\frac{5}{2}$
- d) $\frac{6}{2}$

VIII. The product of 4.5×4.5 is

- a) 2.025
- b) 202.5
- c) 20.25
- d) 0.2025

IX. The correct ascending order of the integer $-23, -25, -21, -19$ is

- a) $-25 > -23 > -21 > -19$
- b) $-23 > -25 > -21 > -19$
- c) $-25 < -23 < -19 < -21$
- d) $-25 < -23 < -21 < -19$

X. A ratio equivalent to $3:7$ is

- a) $3 : 9$
- b) $6 : 10$
- c) $9 : 21$
- d) $18 : 49$

Question 2

- a) Find the lcm of 4, 8 and 12
- b) Create a number line to add integers: $(-8) + (+9)$

c) The distance from Uranus to Neptune in our solar system is 1,627,450,000 kilometres. Express the distance in exponential and expanded form.

d) Dorji paints a pole completely using 3 colours. He paints $\frac{5}{8}$ m using green color, $\frac{1}{2}$ m using red color and $\frac{3}{4}$ m using orange color. How long is the pole?

e) 100 students were asked about their favourite fruits.

- 70 students chose apple
- 20 chose bananas

- i) What percent chose apples?
- ii) What percent did not choose apples?
- iii) What percent of the students chose bananas?

f) The area of football ground is 882.32 unit² and the length is 32.8 unit respectively. What will be the width of football ground?

g) Dawa can wash 95 cars in 5 days. How many cars can he wash each day?