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

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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)

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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?

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