

Summative Assessment I

Class: VI

Mathematics

Maximum Marks: 90

Time: 3 Hrs.

General Instruction

1. There are 4 Sections in this question paper.
2. The question paper contains 31 questions in four sections
 - a. Section - A Contains 8 questions carry 1 mark each
 - b. Section - B Contains 10 questions carry 2 marks each
 - c. Section - C Contains 8 questions carry 4 marks each
 - d. Section - D Contains 8 questions carry 6 marks each
3. All questions are compulsory.
4. Do all calculation in the left side of answer sheets.



SECTION A

I. Choose the correct answer from the given alternatives and write in provided box. (8 x1 =8)

1. Make the greatest 4 – digit number by using any one digit twice 2, 6, 5.

A) 6652 B) 6625 C) 6265 D) 5225

2. How many million are there in one crore?

A) 10000 B) 1000 C) 10. D) 100

3. The different between the successor and the predecessor of a number is

A) 1 B) 2 C) -1 D) -2

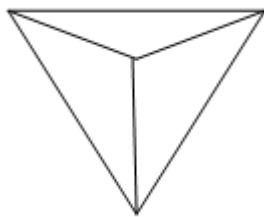
4. 1 is

A) a prime number B) a composite numbers
C) neither prime nor composite D) an even number

5. Which of the following statements is false?

A) Two diameters of a circle will necessarily intersect
B) The centre of a circle is always in its interior
C) Every diameter of a circle is also a chord.
D) Every diameter of a circle is also a diameter.

6. How many faces is therein the following figure?



- A) 1 B) 2 C) 3 D) 4

7. $2 - (-1) - (-2) = \underline{\hspace{2cm}} ?$

- A) 3 B) 4 C) 2 D) 5

8. $\frac{1}{2} - \frac{1}{4} = \underline{\hspace{2cm}} ?$

- A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) $\frac{1}{8}$ D) $\frac{1}{3}$

SECTION B

9. Medicine packed in boxes, each weighing 4 kg 500g. How many such boxes can be loaded in a Van which cannot carry beyond 800kg.

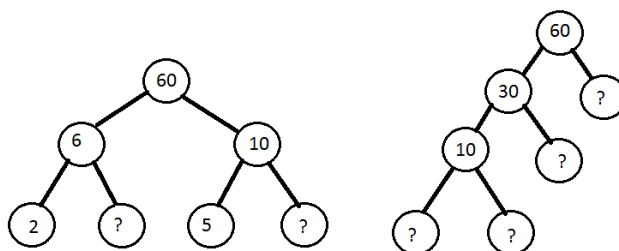
10. Find the product, using suitable properties.

- A) 738×103
B) 854×100
C) 258×1008
D) 1005×168

11. Using divisible tests, determine which of the following numbers are divisible by 4; by 8.

- A) 14560
B) 31795072.

12. Observe following two factor trees for 60. Write the missing numbers.



13. Write the smallest 5 digit number and express it into the form of prime factors

14. Draw a rough figure and label suitably in each of the following cases.

A) $\overline{a}$ point ' $\overline{p}$ ' lies on AB

B) XY and PQ intersect at M

C) Line $\overline{J}$ contains E and F but not D.

D) $\overline{OP}$ and $\overline{OQ}$ meet at O



15. Find the solution of the following.

A) $(-7) + (-8)$

B) $(-9) + (+13)$

C) $(+7) + (-10)$

D) $(+12) + (-7)$

16. Draw number lines and locate the points on them:

A) $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{4}{4}$

B) $\frac{1}{8}$, $\frac{2}{8}$, $\frac{3}{8}$, $\frac{7}{8}$

17. Express the following as improper fractions?

A) $7\frac{3}{4}$ B) $5\frac{6}{7}$ C) $2\frac{5}{6}$ D) $9\frac{3}{7}$

18. Solve $4\frac{2}{3} + 3\frac{1}{4}$

SECTION C

19. Read these numbers .Write them using placement boxes and then write their expanded forms.

i) 475320 ii) 9847215 iii) 97645310 iv) 30458094

A) Which is the smallest number?

B) Which is the greatest number?

C) Arrange these numbers in ascending and descending order.

20. Study the pattern

$$1 \times 8 + 1 = 9$$

$$12 \times 8 + 2 = 98$$

$$123 \times 8 + 3 = 987$$

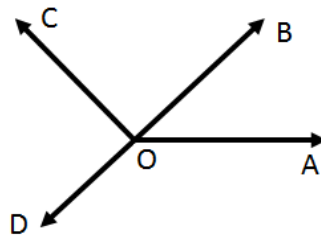
$$1234 \times 8 + 4 = 9876$$

$$12345 \times 8 + 5 = 98765$$



Write the next two step. can you say how the pattern work (hint - $12345 = 11111 + 1111 + 111 + 11 + 1$)

21. Write the prime factorization of 16, 28, 38
22. Find the smallest four digit number which is divisible by 18, 24, and 32.
23. Measure and classify each angle.



24. Using numbers line writes the integer which is:
 - A) 3 more than 5
 - B) 5 more than -5
 - C) 6 less than 2
 - D) 3 less than -2
25. Fill in the blanks with '>,< or =' sign
 - A) $(-3) + (-6)$ _____ $(-3) - (-6)$
 - B) $(-21) - (-10)$ _____ $(-31) + (-11)$
 - C) $45 - (-11)$ _____ $57 + (-4)$
 - D) $-25 - (-42)$ _____ $(-42) - (-25)$
26. Nandhini's house is $\frac{9}{10}$ km from her school. She walked some distance and then took a bus for $\frac{1}{2}$ km to reach the school. How far did she walk?

SECTION D

27. Draw a circle and mark

A) its centre	B) a radius	C) a diameter
D) a sector	E) a segment	F) a point in its interior

G) A point in its exterior H) A Sector I) An Arc

28. Complete the addition – subtraction on box

a

$\begin{array}{c} \text{---} \oplus \text{---} \rightarrow \end{array}$

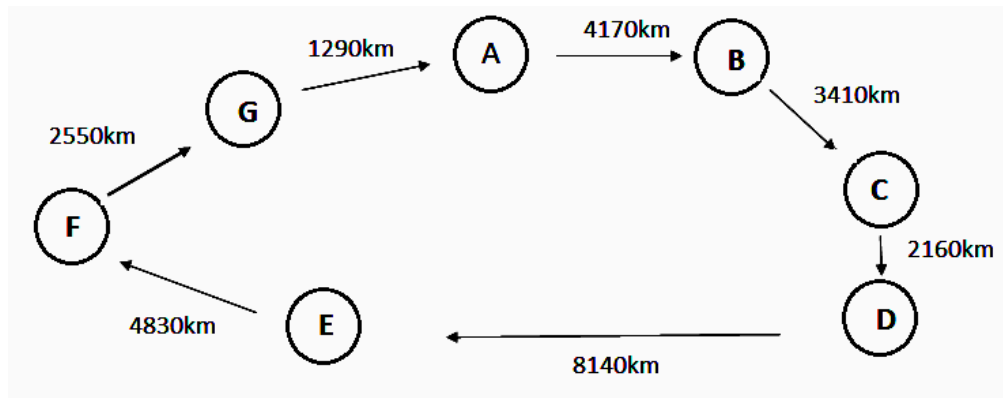
$\frac{2}{3}$	$\frac{4}{3}$	
$\frac{1}{3}$	$\frac{2}{3}$	

b

$\text{---} \oplus \text{---} \rightarrow$

$\frac{1}{2}$	$\frac{1}{3}$	
$\frac{1}{3}$	$\frac{1}{4}$	

29. A bus started its journey and reached different places with speed 60 km/hr. The journey is shown below.



- i) Find the total distance covered by the bus from A to D.
- ii) Find the total distance covered by the bus from D to G.
- iii) Find the total distance covered by the bus it starts from A and returns back to A.
- iv) Can you find the difference of distance from C to D and D to E.?
- v) Find out the time taken by the bus to reach

A) A to B B) C to D C) E to G D) total Journey

30. Solve:

A) $\frac{2}{3} + \frac{1}{7}$

B) $\frac{4}{9} + \frac{2}{7}$

C) $\frac{5}{7} + \frac{1}{3}$

D) $\frac{1}{2} + \frac{1}{3} + \frac{1}{6}$

E) $1\frac{1}{3} + 3\frac{1}{4}$

F) $\frac{4}{3} - \frac{1}{2}$

31. Find the H. C . F of the following numbers.

A) 18, 48

B) 30, 42

C) 27, 63

D) 70, 105, 175

E) 91, 112, 49.