



# ITL Public School

## Summative Assessment 1(2014-15)

Date:16.9.2014

Class: VI

Mathematics (SET A)

Time: 3 hrs

M.M: 90

### General Instructions:

1. Read the question paper carefully and answer legibly.
2. All questions are compulsory.
3. The question paper consists of 31 questions divided into four sections A,B,C and D.
4. Section A comprises of 4 questions of 1 mark each, Section B comprises of 6 questions of 2 marks each, Section C comprises of 10 questions of 3 marks each, Section D comprises of 11 questions of 4 marks each.
5. Use of calculators is not permitted.

### Section-A

- Q.1 Convert Rs. 70 to paise. 1
- Q.2 Using digits 0, 7, 8, 4 form a greatest four digit number. 1
- Q.3 Write first four multiples of 45. 1
- Q.4 What is the special name for two lines that never intersect each other ? 1

### Section-B

- Q.5 Using distributive property find the value of  $78 \times 8 + 78 \times 2$  2
- Q.6 Arrange the integers in descending order: 18, - 45, - 9, 7, 1, 2 2
- Q.7 Solve: 2
- a)  $34 + (-98)$
- b)  $-33 - (-56)$
- Q.8 Find the sum of the smallest 4 digit number and largest 3 digit number. 2
- Q.9 Draw a 5 sided polygon. Name it and shade its interior. 2
- Q.10 Anita bought a sweater worth Rs. 1899 and scarf worth Rs. 549. Find her total bill amount that she will pay after rounding off both sweater and scarf to the nearest hundreds. 2

### Section-C

- Q.11 Compare the following(< , > or = sign) 3
- $(-136) - (-48)$  \_\_\_\_  $(-148) - (-36)$
- Q.12 A shopkeeper sold 30 stools for Rs. 430 each and 30 tables for Rs. 670 each. Find the total money received by the shopkeeper? 3
- Q.13 A rope 45 m 60 cm long has been cut into 20 pieces. Find the length of each piece. 3
- Q.14 What is the smallest 4 digit number, which is divisible by 24, 36 and 54. 3
- Q.15 Grover Mithaiwala orders 19 litres of milk every day. Tomorrow he will be making small kheer cups for customers who will keep Shiv-Ratri fast. For 1 cup, 172 ml of milk will be used, if he wishes to make 156 cups how much extra milk will he order? Find out how much milk should he purchase tomorrow? 3

- Q.16 Draw a circle with centre O and radius OA. 3  
 (a) Mark two points in the exterior of a circle .  
 (b) Draw a chord PQ and diameter QR.  
 (c) Draw a sector and name it.

- Q.17 The length, breadth and height of a room are 525 cm, 600cm and 675cm. Find the length of longest tape that can measure the three dimensions of the room exactly? 3

- Q.18 Rewrite the following numbers with commas and their number names according to the system given. 3  
 a) 45721806 (Indian System) \_\_\_\_\_  
 b) 32995644(International System) \_\_\_\_\_

- Q.19 a) Write all the factors of 120. 3  
 b) Express the following as a sum of two odd primes:  
 (i) 36  
 (ii) 24

- Q.20 Use number line and add the integers:  $(-6) + 8 + (-5)$  3

### Section-D

- Q.21 a) Draw a quadrilateral WXYZ. Draw its diagonals and name them. 4  
 b) Write a pair of opposite angles.  
 c) Write a pair of adjacent sides.

- Q.22 a) Write number of faces, vertices and edges of the following: 4  
 1. Triangular Pyramid  
 2. Square Pyramid  
 b) Write the name of regular Quadrilateral.

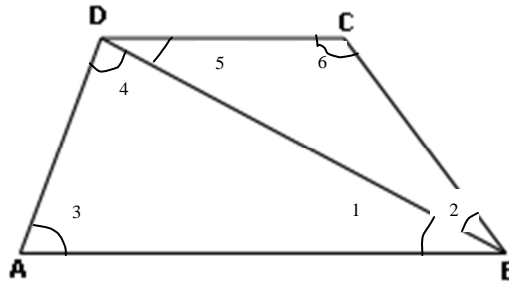
- Q.23 4  
 a) Where will the hour hand of a clock stops if it starts:  
 (i) From 6 and turn through 1 right angle  
 (ii) From 11 and turns through 3 right angles  
 b) Which direction will you face if you start facing  
 (i) West and make half of a revolution clockwise.  
 (ii) East and make  $\frac{3}{4}$  of a revolution anticlockwise.

- Q.24 Find: (2+2)  
 a)  $63 + (-10) + (-83) - (-9)$   
 b)  $(-92) - (-18) + 22 + (-21)$

- Q.25 Using divisibility test, determine whether the number 14433881 is divisible by 11 or not? (3+1)  
 Is it divisible by 3?

- Q.26 In the figure given: 4  
 a)  $\angle 3$  can be renamed using 3 letters as  $\angle$  \_\_\_\_\_ or  $\angle$  \_\_\_\_\_.  
 b) The common arm of  $\angle 1$  and  $\angle 2$  is \_\_\_\_\_.  
 c) A pair of parallel line segments is \_\_\_\_\_.  
 d) \_\_\_\_\_ is the diagonal of Figure.

e) Name  $\angle 1$  and  $\angle 5$ . \_\_\_\_\_.



- Q.27 The traffic lights at three different road crossings change after every 48 seconds, 72 seconds and 108 seconds respectively. If they change simultaneously at 7 a.m., at what time will they change simultaneously again? Explain why following traffic rules is important for us? (3 + 1)
- Q.28 a) Write a pair of twin prime numbers. 4  
 b) Write any four integers less than -35.  
 c) Write all the integers between 6 and -6.  
 d) Add 165 and -90.
- Q.29 Using suitable properties, find: 4  
 a)  $279 \times 103$  (b)  $51409 + 178 + 591 + 522$
- Q.30 From one sheet of thick wood 6 pages of paper can be made. How many pages can be made with 75000 sheets of wood? If in one book there are 150 pages, how many books can be made with the help of these pages? 4
- Q.31 A vegetable bag weighs 10 kg, having vegetables potatoes, tomatoes and onions. In the bag tomatoes weigh 4 kg 20g, onion weigh 2 kg 800g, find weight of potatoes in the bag. 4