

SET A
INTERNATIONAL INDIAN SCHOOL, RIYADH – SUMMATIVE ASSESSMENT – I
June-2014 - 15
MATHEMATICS-STD VII

TIME 3 HOURS
 MAXIMUM MARKS 90

SECTION A

CHOOSE THE CORRECT ANSWER

(10X1=10)

1. Closure property does not hold well in case of integers for _____.
 (a) Addition (b) Subtraction (c) Multiplication (d) Division
2. $0.01 \times 10 =$ _____. (a) 10 b) 0.1 c) 0.001 d) 0.01
3. For any integer 'a' $a \times -1 =$ _____ a) -1 b) -a c) a d) 1
4. Which of the following statement is true?
 a) $(-17) \div 0 = 0$ b) $(-5) \div (-1) = -5$ c) $0 \div (-6) = 0$ d) $(-10) \div 10 = 1$
5. _____ is the value which occurs most.
 a) Mean b) median c) mode d) None of these
6. The value of x in $\frac{x}{4} = \frac{1}{5}$ is _____.
 a) $\frac{5}{4}$ b) 20 c) $\frac{4}{5}$ d) 45
7. The place value of 5 in 165.03 is _____.
 a) 10 b) 5 c) $\frac{5}{10}$ d) 0
8. The reciprocal of $\frac{6}{11}$ is _____. (a) 6 b) 11 c) $1\frac{6}{5}$ d) $1\frac{5}{6}$
9. 45 rupees 135 paise = Rs _____.
 a) 451.35 b) 46.35 c) 45.135 d) 4.5135
10. When a coin is tossed, the probability of getting head is.....
 a) $\frac{1}{2}$ b) $\frac{1}{6}$ c) 2 d) 1

SECTION B

CHOOSE THE CORRECT ANSWER

(2X5=10)

11. _____ is the side of an equilateral triangle with perimeter $\frac{48}{5}$ cm.
 a) $2\frac{1}{5}$ cm b) $5\frac{1}{3}$ cm c) 5 cm d) $3\frac{1}{5}$ cm
12. Which of the following equations does have solution $x = -3$
 a) $-3x = 0$ b) $3x - 9 = 0$ c) $x + 3 = 0$ d) $x + 4 = -1$
13. The range of the following observation is _____
 13, 42, 28, 36, 40, 75
 a) 75 b) 13 c) 62 d) 88

14. A negative integer greater than $[-56 \div (-7)] \div [(-16) \div 8] + 2$ is _____
 a) -4 b) -1 c) -2 d) 1
15. The quotient in $0.07 \div 7 =$ _____
 a) 0.01 b) 0.07 c) 0.1 d) 7.07

SECTION C

ANSWER THE FOLLOWING

(2 x 8 = 16)

16. Compare using $<$ or $>$

$$\frac{11}{13} \quad \square \quad \frac{15}{17}$$

17. Evaluate:

a) $[(-45) \div 9] \div 5$

b) $[8 + (-20)] \div [(-3) + 5]$.

18. Solve: $5(x + 2) = 20$.

19. When a die is thrown, what is the probability of getting a) 3 b) 0.

20. If 3.25 m of cloth is required to stitch a suit, how many suits can be made from 48.75 m of cloth?

21. Write down a pair of integers whose

a) Sum is -17

b) Sum is 0.

22. Express 7 cm in metre and kilometre.

23. Find the mean of first 5 prime numbers.

SECTION D

DO THE FOLLOWING

(3 X 10 = 30)

24. Which is greater.

$$\frac{3}{4} \text{ of } \frac{28}{9} \text{ or } \frac{2}{3} \text{ of } \frac{21}{8}$$

25. To conduct a science experiment, it is required to decrease the temperature from 36°C at the rate of 4°C every hour. What will be the temperature 10 hours after the process begins?

26. The height (in cm) of 6 girls in a group are given below.

150, 141, 137, 142, 138, 147.

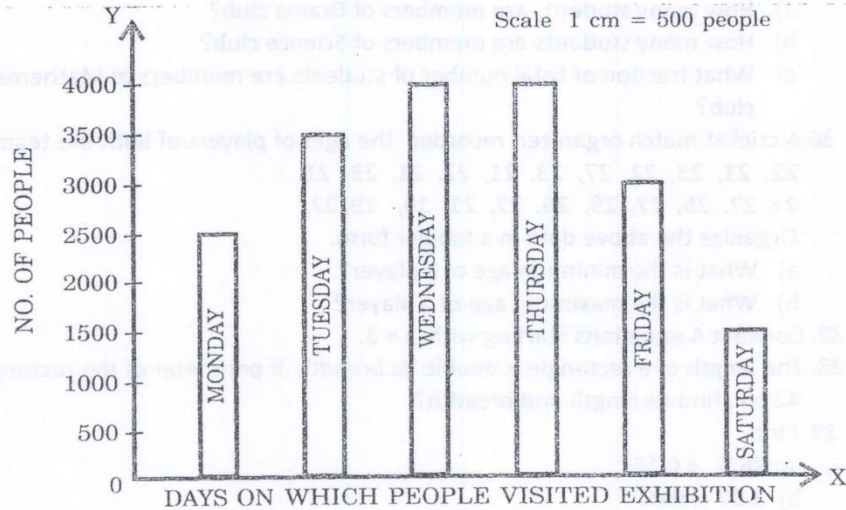
- a) What is the height of tallest girl?

- b) What is the range of the data?

- c) What is the mean height of the girls?

27. Solve the equation: $0 = 18 + 9(m - 2)$

28. Study the following bar graph and answer the questions given below.



- What is the general information given by the bar graph?
- On which days the maximum number of people visited the exhibition.
- What is the ratio of the number of people visited the exhibition on Monday and Thursday?

29. Verify; $a - (-b) = a + b$ for the following values of a and b .

$a = -20, b = 15$

30. Subtracting 35 from 6 times of a number gives 31. Find the number.

31. Write 305.142 in expanded form.

32. Find the perimeter of a triangle with sides $7\frac{2}{3}$ cm, $3\frac{2}{3}$ cm and $5\frac{1}{6}$ cm

33. Find :

a) 158.1×100

b) $7.9 \div 100$

SECTION E

ANSWER ANY 6 OF THE FOLLOWING

(6 X 4 = 24)

34. Find the product using suitable property.

-87×102

35. In a class of 50 students $\frac{1}{5}$ are members of Drama club, $\frac{1}{10}$ are the members of Science club and the remaining children are the members of Mathematics club.
- How many students are members of Drama club?
 - How many students are members of Science club?
 - What fraction of total number of students are members of Mathematics club?
36. A cricket match organizer recorded the ages of players of both the teams as 22, 21, 23, 22, 27, 23, 21, 22, 21, 23, 21, 27, 27, 25, 27, 29, 29, 27, 21, 19, 19, 22. Organize the above data in a tabular form.
- What is the minimum age of a player?
 - What is the maximum age of a player?
37. Construct 4 equations starting with $x = 3$.
38. The length of a rectangle is double its breadth. If perimeter of the rectangle is 42 cm, find its length and breadth?
39. Find
- $76.5 \div 0.15$
 - 1.07×0.02
40. Sale of English and Hindi books in the years 1995, 1996, 1997, and 1998 are given below.

Years	1995	1996	1997	1998
English	350	400	450	620
Hindi	500	530	600	650

- Draw a double bar graph choosing an appropriate scale.
- In which year was the difference in the sale of the two language books least?
- In which year, the difference in the sale of two language books more?

BEST OF LUCK