

INTERNATIONAL INDIAN SCHOOL- DAMMAM
SUMMATIVE ASSESSMENT – I JUNE 2013

SET - B

SUBJECT: MATHEMATICS
CLASS: VII

TIME: 3HOURS
MAX.MARKS :90

INSTRUCTIONS

- (f) Attempt all questions; however an internal choice is given in each sections B , C and D.
- (g) Section A: Questions 1-8 carry 1 mark each.
- (h) Section B: Questions 9-14 carry 2 marks each.
- (i) Section C: Questions 15-24 carry 3 marks each.
- (j) Section D: Questions 25-34 carry 4 marks each.

SECTION – A

(1 X 8 = 8)

Choose the correct answer :

1. The ratio of 15 minutes to 1 hour is :
a) 15:1 b) 4:1 c) 1:15 d) 1:4
2. $-\frac{3}{7} \times \frac{p}{q} = 1$, then $\frac{p}{q}$ is :
a) $\frac{3}{7}$ b) $\frac{7}{-3}$ c) $-\frac{3}{7}$ d) $-\frac{3}{-7}$
3. In a transaction , if there is neither profit nor loss ; then
a) S.P > C.P b) S.P = C.P c) C.P > S.P d) none of these
4. $[10 + (-10)] \times (-12)$
a) 0 b) -12 c) 12 d) 1
5. Find $(-2) \times (-10) \times (-5) \times (-1)$
a) -100 b) 101 c) 100 d) -101
6. Express 6 km 25 m as decimal
a) 6.025 km b) 6.205 km c) 6.250 km d) 6.052 km
7. $\frac{2}{9}$ of 72 is equal to
a) 24 b) 16 c) 18 d) 27
8. The value of $\left(\frac{-15}{11} + \frac{4}{11} \right)$
a) 1 b) $\frac{19}{11}$ c) -1 d) $-\frac{19}{11}$

SECTION – B

(2 X 6 = 12)

9. Represent $-\frac{5}{7}$ and $\frac{6}{7}$ on a number line.
10. A cyclist covers $14\frac{1}{3}$ km in 1 hour. How far does he go in 3 hours ?
11. Find the product using suitable property
- $(-8) \times 567 \times (-125)$

OR

- Verify $-25 \times \{12 + (-2)\} = (-25 \times 12) + (-25 \times -2)$
12. The population of a city is decreased from 25,000 to 24,500. Find the percentage decreased .
13. How much less is 32.5 kg from 55 kg ?
14. Ramesh bought an article for Rs.1000. He sold it for Rs.1200. Find his profit and profit percentage.

SECTION – C

(3X 10= 30)

15. Find $15\frac{8}{9} \div 3\frac{2}{3}$
16. Construct $\triangle ABC$ with $BC = 7.5$ cm , $AC = 5$ cm and $\angle C = 60^\circ$

OR

- Construct an isosceles triangle XYZ in which the equal sides are 7.5 cm each and the angle between them is 100° .
17. The sum of two rational numbers is $-\frac{5}{2}$. If one of them is $-\frac{7}{3}$, find the other number.
18. An elevator descends into a mine shaft at the rate of 5 metres per minute.
- (i) What will be its position after 45 minutes ?
- (ii) If it descends from 10 metre above the ground , what will be its position after 45 minutes ?
19. In a fruit godown 800 kg apples are stored. If 27% them is defective, how much fruit is good ?
20. Anju had Rs.80. She bought some notebooks. If the cost of each notebook is Rs. $5\frac{1}{3}$, how many notebooks did she buy ?

21. Find the product using suitable property and also mention the property used.

$$135 \times (-56) - 135 \times 44$$

22. Construct an equilateral triangle in which each side is 5.5 cm.

23. Find the area of a rectangle whose length is 10.25 m and breadth is 8.5 m.

24. A man saves Rs.750 per month in his account.. If this is 15% of his monthly income, what is his monthly income ?

SECTION – D

(4X 10= 40)

25. Find six rational numbers between $\frac{-4}{5}$ and $\frac{-3}{4}$

26. In a competitive examination containing 20 questions, 6 marks are awarded for every correct answer and (-2) marks are awarded for every incorrect answer and 0 mark for questions not attempted.

(i) Meenu gets 9 correct answers and 11 incorrect answers. Find her score.

(ii) Rohit scored 36 marks though he got 8 correct answers. How many questions had he attempted incorrectly ?

27. Construct a right angled triangle PQR right angled at Q in which QR = 8 cm and PR = 10 cm.

28. (i) Reduce into standard form $\frac{30}{-45}$

(ii) Simplify $\left(\frac{-4}{9} + \frac{2}{3}\right) \div \left(\frac{-11}{18} - \frac{1}{6}\right)$

29. A dress requires 2.9 m of cloth. How many such dresses can be made from a piece of cloth measuring 98.6 m ?

30. Sunil wants to buy a car but fell short of money by Rs.60,000. He borrowed the money from a co-operative bank at the rate of 10% p.a. Find the amount he has to return after 3 years ?

31. Construct $\triangle DEF$ with $DE = 6.5$ cm, $\angle D = 60^\circ$ and $\angle F = 40^\circ$

- 32..Juhi sells a washing machine for Rs.13,500. She loses 20% in the bargain. What was the price at which she bought it ?

OR

A shopkeeper sold 150 copies of books at a profit of 10%. If a book costs him Rs.75 , find the total selling price of the books.

33. (i) Write a pair of negative integers whose difference is 6.

(ii Simplify $[(-10) - 5] \div [30 + (-15)]$

34. Draw a line PQ . Take a point R outside it. Through R draw a line RS parallel to PQ using ruler and compasses.
