INTERNATIONAL INDIAN SCHOOL - DAMMAM
SUMMATIVE ASSESSMENT – I  JUNE 2013

SET - B

SUBJECT: MATHEMATICS  
CLASS: VII

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)

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

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

15. Find \( \frac{8}{9} + \frac{2}{3} \)

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, \( \angle D = 60^0 \) and \( \angle F = 40^0 \)
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 \([-10 - 5] + [30 + (-15)]\)

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

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