**KENDRIYA VIDYALAYA SANGATHAN**

BENGALURU REGION

SUMMATIVE ASSESSMENT-II (2013-14)

**MATHEMATICS- MARKING SCHEME**

**CLASS VI** MAX. MARKS :60

|  |  |  |
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| Ques | SECTION-A |  |
| 1-8 | 1-b, 2-a, 3-d, 4-b, 5- a, 6-d, 7- a, 8- d | 1 each |
|  | SECTION-B |  |
| 9 |

|  |  |
| --- | --- |
| MARKS | NO.OF STUDENTS |
|  1 | 2 |
| 2 | 1 |
| 3 | 4 |
| 4 | 6 |
| 5 | 5 |
| 6 | 9 |
| 7 | 5 |
| 8 | 4 |
| 9 | 4 |

Most of the students obtained 6 marks | Table- 1 ½ * 1/2

  |
| 10 | 1. m= 9 (1/2 mark for each substitution and ½ mark for correct solution)
 | 2 m  |
| 11 | Side of the square= 65mPerimeter of the square= 4 x 65 = 260 mDistance travelled in 3 rounds = 3 x perimeter = 3 x 260= 780m | 1½½ |
| 12 | 1. 60 mm = 6.0 cm (ii) 88m = 0.088km
 | 1m each |
| 13 | Correct fig 1 mark each | 1m each |
| 14  | Construction of 60 ⁰ AND BISECTING | 1m +1m |
|  | SECTION-C |  |
| 15 | 1. 300 (ii) 900 (iii) 2000
 | 1m each |
| 16 | 1. -8m (ii)( x + 3 )years (iii) (y-5) years
 | 1m each |
| 17 | 200ml: 2.5 l = 200ml : 2500ml = 2 : 25Rs 4 : Rs 50 = 2 : 25Both ratios are equal.they are in proportions.Middle terms - 2.5 l and Rs 4Extreme terms- 200ml and Rs 50 | ½ + ½½½½½ |
| 18 | 1. Correct shading
2. 1$\frac{4}{5}$ + $\frac{3}{5}$ = 9/5 + 3/5 = (9 + 3) / 5=12/5
3. Required fraction =8 h/24 h = 1/3
 | 1m½ + ½½ + ½ |
| 19 | 3$\frac{1}{5}$ = 16/5 = 64/ 2015/4 = 75/20Suman takes more time = (75-64)/20 = 11/20 min  | 1m½1m + ½ |
| 20 | 6.5 kg + 2kg + 0. 250kg=8 .750kg10.000kg – 8.750 kg = 1.250 kgWeight of potatoes = 1.250 kg | 2m1m |
| 21 | Drawing circle of rad. 4cmDrawing chordPerpendicular bisector | 1 m1 m1 m |
| 22 | Area of the land = 500 x 200 sq. m Rate = Rs 8 per 100 sq. mCost of tiling = Area x rate = 500 x 200 x8/100 =Rs 8000 | 1m1 ½½ |
|  | SECTION-D |  |
| 23 | Correct scaleCorrect length of each barNeatness | 1m½ x 5=2 ½ ½ |
| 24 |  (i) Time taken to travel 90km= 2 hours  Time taken to travel 1km = $\frac{2}{90 }$ = $\frac{1}{45}$ h Time taken to travel 135 km = 135 x 1/45 =3hour1. Distance in 2 hours = 90km

Distance in 1 hour =45kmDistance in 5 hours = 5 x 45 = 225km | ½1½½½1 |
| 25 | 1. Between 180⁰ and 360 ⁰
2. Isosceles right triangle
3. Correct fig
4. Correct fig
 | 1111 |
| 26 | Area of the room = 3m x 4m =300cm x 400cm Area of 1 tile = 50cm x 50cm No. of tiles required = $\frac{Area of the room}{Area of 1 tile}$  = $\frac{300 X 400}{50 X 50}$ = 48 tiles  | 1111 |