**KENDRIYA VIDYALAYA SANGATHAN**

BENGALURU REGION

SUMMATIVE ASSESSMENT-II (2013-14)

**MATHEMATICS- MARKING SCHEME**

**CLASS VI** MAX. MARKS :60

|  |  |  |
| --- | --- | --- |
| 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= 65m  Perimeter of the square= 4 x 65 = 260 m  Distance travelled in 3 rounds = 3 x perimeter  = 3 x 260= 780m | 1  ½  ½ |
| 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 : 25  Rs 4 : Rs 50 = 2 : 25  Both ratios are equal.they are in proportions.  Middle terms - 2.5 l and Rs 4  Extreme terms- 200ml and Rs 50 | ½ + ½  ½  ½  ½  ½ |
| 18 | 1. Correct shading 2. 1 + = 9/5 + 3/5 = (9 + 3) / 5=12/5 3. Required fraction =8 h/24 h = 1/3 | 1m  ½ + ½  ½ + ½ |
| 19 | 3 = 16/5 = 64/ 20  15/4 = 75/20  Suman takes more time = (75-64)/20 = 11/20 min | 1m  ½  1m + ½ |
| 20 | 6.5 kg + 2kg + 0. 250kg=8 .750kg  10.000kg – 8.750 kg = 1.250 kg  Weight of potatoes = 1.250 kg | 2m  1m |
| 21 | Drawing circle of rad. 4cm  Drawing chord  Perpendicular bisector | 1 m  1 m  1 m |
| 22 | Area of the land = 500 x 200 sq. m  Rate = Rs 8 per 100 sq. m  Cost of tiling = Area x rate = 500 x 200 x8/100  =Rs 8000 | 1m  1 ½  ½ |
|  | SECTION-D |  |
| 23 | Correct scale  Correct length of each bar  Neatness | 1m  ½ x 5=2 ½  ½ |
| 24 | (i) Time taken to travel 90km= 2 hours  Time taken to travel 1km = = h  Time taken to travel 135 km = 135 x 1/45 =3hour   1. Distance in 2 hours = 90km   Distance in 1 hour =45km  Distance in 5 hours = 5 x 45 = 225km | ½  1  ½  ½  ½  1 |
| 25 | 1. Between 180⁰ and 360 ⁰ 2. Isosceles right triangle 3. Correct fig 4. Correct fig | 1  1  1  1 |
| 26 | Area of the room = 3m x 4m =300cm x 400cm  Area of 1 tile = 50cm x 50cm  No. of tiles required =  = = 48 tiles | 1  1  1  1 |