

22. 1  
 23. 1  
 24. 2; fought  
 25. 1; has been  
 26. 3; making it altogether  
 27. 4  
 28. 2; It means to talk about one's work in a boring way.  
 29. 1 30. 4 31. 3 32. 4 33. 3  
 34. 2 35. 4  
 36. 3; "Half an hour" is necessary; option (2) by changing words changes the meaning of underlined part.  
 37. 3; With 'nor' at the beginning the sentence takes inversion ie Auxiliary Verb + Subject ie 'does he'.  
 38. 1; In comparative and positive degrees comparison should be made between equal qualities. So after second 'as' either 'that of' or 'other womens' (career is hidden here) is required.  
 39. 4  
 40. 2; If + past perfect.  
 41. 1; In 60 minutes, the hour-hand moves through an angle of  $30^\circ$ .

$\therefore$  In 65 minutes, the hour-hand will move

through an angle of  $\frac{30^\circ}{60} \times 65 = 32.5^\circ$

In 60 minutes, the minute-hand moves

through an angle of  $\frac{360}{60} \times 65 = 390^\circ = 360^\circ + 30^\circ$

$\Rightarrow$  Difference of the angles made by the hour-hand and the minute-hand = 2.5 (in 65 minutes)

Now an angle of  $30^\circ$  is made by the minute-hand in 5 minutes.

$\therefore$  An angle of  $2.5^\circ$  is made by the minute-hand

in  $\frac{5}{30} \times 2.5$  minutes

ie  $\frac{2.5}{6}$  min = 25 seconds.

42. 1; Let initially the number of males and females in the seminar be  $3x$  and  $x$  respectively.  
 Total participants =  $4x$ .  
 During the tea break, male participants

$$= (4x - 16) \times \frac{3}{4} = (3x - 12)$$

$$\text{female participants} = (4x - 16) \times \frac{1}{4} + 6 = (x + 2)$$

Given,

$$\frac{3x - 12}{x + 2} = \frac{2}{1} \Rightarrow 3x - 12 = 2x + 4$$

$$\Rightarrow x = 16$$

Thus, total no. of participants initially =  $16 \times 4 = 64$

43. 1; Clearly,  $1000 + 1 > 1000 \times 1$   
 Hence required positive integer is 1.  
 44. 4; Let after division each of them had  $x$  bullets then total number of bullets they had after using 4 bullets each  
 $= (x - 4) + (x - 4) + (x - 4) = 3x - 12$   
 Given,  $3x - 12 = x \Rightarrow x = 6$   
 $\therefore$  original number of bullets =  $6 \times 3 = 18$   
 45. 1; No. of women in the room =  $\frac{3}{5} \times 120 = 72$

$$\text{No. of married people} = \frac{2}{3} \times 120 = 80$$

No. of men in the room = 48

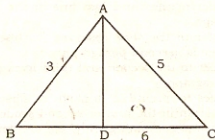
If all the men are supposed to be married, then number of married women could be  $80 - 48 = 32$   
 $\therefore$  Maximum number of unmarried women could be  $72 - 32 = 40$

46. 2; Suppose the salary was Rs 100, to begin with,  
 $\therefore 100 + 5\% = 105, 105 - 2.5\% = 102.375$   
 If the present salary is Rs 102.375, then the salary in the beginning was Rs 100. If the present salary is Rs 22702.68, then the salary in the beginning was

$$\frac{100}{102.375} \times 22702.68 = 22176$$

47. 4; Suppose distance between each pole is 1 metre.  
 $\therefore$  Total distance = 19 metres  
 It takes 24 seconds to cover 11 metres.  
 $\therefore$  to cover 19 metres, it will take  
 $\frac{24}{11} \times 19 = 41.45$  seconds.

48. 2;



$$\frac{BD}{AB} = \frac{DC}{AC}$$

$$\therefore \frac{BD}{DC} = \frac{3}{5} \Rightarrow BD : DC = 3 : 5$$

$$\text{Now, } BD = \frac{3}{3+5} \times 6 = \frac{18}{8} = \frac{9}{4} = 2.25 \text{ cm}$$

49. 2; Suppose the amount in the beginning was Rs  $x$   
 Money spent on clothes

$$= \text{Rs } \frac{1}{3} \times \text{Balance} = \text{Rs } \frac{2}{3} x$$

$$\text{Money spent on food} = \frac{1}{5} \text{ of } \frac{2}{3} x = \text{Rs } \frac{2}{15} x$$