





EXAMPLES 1ST FLOOP, OPPOSITE MUKERPLE NACAR POLICE STATION, DELH-110009
S: 4:6

$$\frac{A+B}{9} = A+B+C}{15 ||f|||_{ellerpry}}$$
5x 3x days

$$\Rightarrow 2x = \frac{16}{3}; \Rightarrow x = \frac{8}{3}$$
A+B+C = 3x days
30. (B) A.T.Q,

$$\frac{5}{6} \int_{-\text{Total work}} \frac{5}{8} = 8 \text{ days}$$
30. (B) A.T.Q,

$$\frac{5}{6} \int_{-\text{Total work}} \frac{5}{3} = 8 \text{ days}$$
30. (C) A.T.Q,

$$\frac{5}{6} \int_{-\text{Total work}} \frac{5}{3} = 8 \text{ days}$$
30. (C) A.T.Q,

$$\frac{5}{6} \int_{-\text{Total work}} \frac{5}{3} = 8 \text{ days}$$
31. (D) A.T.Q,

$$\frac{400 \times 20}{3} = \frac{300 \times D}{3}$$
D = 16 days
The whole work will be completed in 16 days
31. (D) A.T.Q,
A B

$$\frac{20 \text{ minutes}}{3 \text{ units}} \int \frac{20 \text{ minutes}}{2 \text{ units}} \frac{30 \text{ minutes}}{3 \text{ units}} \frac{30 \text{ minutes}}{2 \text{ units}} \frac{30 \text{ minutes}}{2 \text{ units}} \frac{30 \text{ minutes}}{2 \text{ units}} \frac{3 \text{ units}}{2 \text{ units}} \frac{1440}{2 \text{ units}} \cos^{2} \phi + \cos^{2} \phi$$

$$\Rightarrow 3 \sin^{2} \phi + 3 \cos^{2} \phi + \cos^{2} \phi$$

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$$\Rightarrow 3 \sin^{2} \phi + 3 \cos^{2} \phi + 13$$

$$\Rightarrow 5 \cos^{2} \phi = \frac{1}{2} \frac{1}{2} \frac{10}{3}$$

$$\text{waste pipe = (A + B) \times 8}$$

$$\text{waste pipe will empty = \frac{60}{10} \times 3}$$

$$= 18 \text{ minutes}$$
31. e 36 x $\frac{5}{18} 660 \times 2$

$$1 - 400 \text{ metres}$$
D + 1 OPSES 108 SB3, OSE 55 200 EBS83

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EXAMPLES 1ST FLOOR OPPOSITE MUMERIZE NAGAP DUICE STATION, DELHI-110009
AB =
$$2\sqrt{ab}$$

Similary,
 $AM = $2\sqrt{ac}$ and BM = $2\sqrt{bc}$
 $\therefore 2\sqrt{ab} = $2\sqrt{ac} + 2\sqrt{bc}$
 $(\therefore AM = AM + BM)$
 $\Rightarrow \sqrt{ab} = \sqrt{ac} + \sqrt{bc}$
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 $(\therefore AM = AM + BM)$
 $\Rightarrow \sqrt{ab} = \sqrt{ac} + \sqrt{bc}$
 $(x = Am + b^2)$
 $(x = Am$$$













SSC TIER II (MATHS) MOCK TEST - 47 (ANSWER KEY)										
1.	(D)	11. (D)	21. (C)	31. (D)	41. (A)	51. (B)	61. (C)	71. (A)	81. (A)	91. (B)
2.	(C)	12. (B)	22. (A)	32. (B)	42. (C)	52. (B)	62. (A)	72. (A)	82. (A)	92. (A)
3.	(B)	13. (A)	23. (B)	33. (C)	43. (D)	53. (B)	63. (A)	73. (C)	83. (D)	93. (A)
4.	(D)	14. (B)	24. (B)	34. (B)	44. (B)	54. (B)	64. (A)	74. (A)	84. (A)	94. (A)
5.	(D)	15. (A)	25. (A)	35. (D)	45. (D)	55. (A)	65. (C)	75. (A)	85. (B)	95. (A)
6.	(C)	16. (B)	26. (A)	36. (A)	46. (B)	56. (A)	66. (A)	76. (B)	86. (D)	96. (D)
7.	(D)	17. (A)	27. (A)	37. (A)	47. (C)	57. (D)	67. (A)	77. (C)	87. (A)	97. (A)
8.	(A)	18. (A)	28 (B)	38. (A)	48. (C)	58. (A)	68. (C)	78. (C)	88. (B)	98. (A)
9.	(A)	19. (B)	29. (C)	39. (C)	49. (D)	59. (B)	69. (D)	79. (D)	89. (C)	99. (B)
10.	(D)	20. (C)	30. (B)	40. (D)	50. (A)	60. (D)	70. (A)	80. (C)	90. (A)	100.(A)

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003

Note:- Whatsapp with Mock Test No. and Question No. at 7053606571 for any of the doubts Join the group and you may also share your suggestions and experience of Sunday Mock

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

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