

- 103.** 1/2 cup quick cooking gas
 1/6 cup bread flour
 1/6 cup sugar syrup
 1/2 tablespoon cooking oil
 2/3 cup water
 3/2 tablespoons yeast
 1/2 tea spoon salt

104. 8 new teachers

105. 125 miles

106. (a) Rs 425, (b) 480 posts

Across

- 1 Directly
 4 Unitary
 5 Less
 7 Proportion
 9 Decrease

Down

- 2 Inverse
 3 Equivalent
 6 Constant
 7 Product
 8 Increases

Unit 11

- 1.** (c) **2.** (c) **3.** (b) **4.** (a) **5.** (b) **6.** (c)
7. (d) **8.** (a) **9.** (b) **10.** (c) **11.** (c) **12.** (d)
13. (c) **14.** (c) **15.** (a) **16.** (b) **17.** (c) **18.** (d)
19. (c) **20.** (c) **21.** (a) **22.** (a) **23.** (c) **24.** (a)
25. (c) **26.** (a) **27.** (c) **28.** (c) **29.** 24 **30.** None
31. $10a^2$ **32.** 4 times **33.** $h^3, 6h^2$ **34.** $\frac{1}{4}$
35. 50% **36.** $\frac{\pi}{4}a^3$ **37.** πb^2 **38.** $\frac{1}{2}(h_1 + h_2)d$
39. Two times **40.** 3 **41.** rectangular, different
42. equal **43.** $2\pi rh$ **44.** $2\pi rh(h + r)$
45. $\pi r^2 h$ **46.** Diagonals **47.** Twice **48.** Equal
49. Volume **50.** Lateral **51.** 3 : 1 **52.** 36 : 1
53. True **54.** False **55.** False **56.** False
57. False **58.** True **59.** False **60.** False
61. False **62.** $\frac{1}{2}$ min or 30 sec. **63.** 15 m

- 64.** $1,050 \text{ m}^2$ **65.** Rs 528
66. (1) 352.8 m^2 , 468.3 m^2 (2) 106.3 m^2 , 102.80 m^2
 (3) 13.35 m^2 , 235.6 m^2
67. 10 m **68.** 26 min 24 sec **69.** 7 : 8
70. 84 m **71.** 302 m **72.** 32.4 cm **73.** 0.636 km
74. 0.264 km/hr **75.** 13 m **76.** 53000 sq. units
77. 30100 sq. units **78.** 432 m^2 **79.** 240 m^2
80. 600 m^2 **81.** 13046 cm^2 **82.** 72 cm^2 **83.** 199.5 cm^2
84. 228.85 cm^2 **85.** 88.28 cm^2

86. (a) $\frac{x^3}{2}$ (b) $6y^3$ **87.** 1 : 5 **88.** 1 : 2π

89. 43.12 m^3 **90.** $r = 21 \text{ cm}$, $h = 14 \text{ cm}$
91. $V = 11440 \text{ cm}^3$, Weight = 91520 g
92. (a) double of the original (b) Half of the original
 (c) One fourth of the original **93.** 27 times the original
94. $h = 20 \text{ cm}$ **95.** 13280 cm^2 **96.** 22.68 m^3 , 22680 l
97. 64 cubes **98.** 6752 cm^3 **99.** 45,000 m^3
100. 1390.72 cm^2 **101.** 0.78 m
102. 42038.857 **103.** 1400 cm^2 **104.** B Pipe **105.** 200 m^3
106. 1 day **107.** 1440 **108.** 1848 cm^2
109. 25 dm, 20 dm, 15 dm **110.** $r = 0.07 \text{ m}$, 0.44 m^2

111. (a) 27 times (b) $\frac{1}{64}$ times **112.** $V = 3850 \text{ cm}^3$, $A = 110 \text{ cm}^2$
113. 445000 cm^2 , = 44.55 l **114.** $r = 8 \text{ cm}$, $A = 603.428 \text{ cm}^2$
115. 11180400 cm^2 , 11.180400 cm^2 **116.** 621600 l
117. 1000 **118.** $h = 8 \text{ m}$, $b = 10 \text{ m}$
119. 1 : 1 **120.** 6500 cm^3 **121.** 3 cm^2
122. 2016 cm^2 **123.** 2042 **124.** 401.2 cm^2
125. 70 cm **126.** 5082 cm^3 , 3811.5 cm^3