

PRACTICE SET OF QUANTITATIVE APTITUDE FOR SBI CLERK PRELIMS SOLUTIONS

36. (b); Let required people = x		= 606
$\therefore \frac{3500+x}{4500} = \frac{11}{9}$	FO	= 56 kg
x = 2000	50.	(b); Le Girls =
37. (c); Total No. = 25000		÷ 23.25
No. of people from Q and U together = 8000		
$\therefore \text{ Required percentage} = \frac{8000}{25000} \times 100 = 32\%$		23.25x 6.75x =
38. (a); 18% of the total No. of people $=\frac{18}{100} \times 25000 = 4500$		$\frac{x}{y} = \frac{13}{27}$
Required cities = P, S, U		
39. (d); Required $\% = \frac{4500-3500}{3500} \times 100$	59.	(c); Co
$=\frac{1000}{3500} \times 100$	60.	(b); Le
= 28.59		Other of
≈ 29%		$\therefore x + 1$ x + 25
40. (e); Ratio = 4000 : 5000 = 4 : 5		x + 25
41. (d); 56 + 5.4 - 3 = 58.4		By solv
42. (e); $8063 - 5580 = 2483$ 43. (a); $(31)^{31-27} = (31)^4 = (961)^2$		15y =
44. (a); 746.64		$\therefore x + 2$
45. (c); 85.26 – 62.25 = 23.01		x = 40
46. (e); $\frac{996}{40} = 24.9$		Expens = 4000
47. (a); 683.48 – 569.24		= 1200
=114.22 AN 111/11/M A	61.	(c); Ra
48. (d); $\frac{(2 \times 999)(2 \times 588)}{999 \times 588} = 2 \times 2 = 4$		Vicky =
$\frac{1}{2} + 99 \times 1000$		Tinku :
49. (d); $\frac{\frac{1}{5}+99\times1000}{4} = 24750$		Part of
50. (a); $\frac{(52-47)(52+47)}{99} = \frac{5\times99}{99} = 5$		2 days
51. (c); (30 + 5 = 35), (35 + 30 = 65), (65 + 35 = 100), (100 +		Work I
65 = 165)		Let the
 ∴ 265 + 165 = 430 52. (c); Prime No. series 		$\frac{x}{15} + \frac{x}{12}$
53. (e); +1, -2, +3, -4		$\Rightarrow 9x -$
$\therefore 14 + 5 = 19$		$\Rightarrow 9x =$
54. (a); 5 ⁵ , 4 ⁴ , 3 ³ , 2 ² , 1 ¹		∴ Total
$\therefore 3^3 = 27$	62.	(c); 66
55. (b); $2 \times 3 = 6, 6 \times 3 = 18, 18 \times 6 = 108$		$t = \frac{3}{2} =$
 ∴ 108 × 18 = 1944. 56. (c); Let edge of square = x 	63.	(a); ² Ra
$\therefore 144x^2 = 400(x-2)^2$		= 3 : 5
$9x^2 = 25(x^2 + 4 - 4x)$		B's pro
$9x^2 = 25x^2 + 100 - 100x$		A's pro
$16x^2 - 100x + 100 = 0$		∴ A's co
$\Rightarrow 4x^{2} - 25x + 25 = 0$ $4x^{2} - 20x - 5x + 25 = 0$		∴% co
4x - 20x - 5x + 25 = 0 4x(x - 5) - 5(x - 5) = 0	64.	(b); CP
$x = 5, \frac{5}{4}$		Requir
$\therefore \text{ edge} = 5 \text{ cm}$	65	(a); Let
\therefore initially area = 144 × 25 = 3600 cm ²	00.	NO. of
57. (a); Required weight = $(49 \times 6 + 52 \times 6) - 50 \times 11$		$\therefore 3x^2 =$
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- 550 g et Boys = x= y $25 = \frac{(30x+20y)}{x+y}$ x + 23.25y = 30x + 20y= 3.25yost Price = $1080 \times \frac{88}{100} \times \frac{100}{108} = 880$ et fixed charges = xcharges = y10y = 6000(i) $5y = 25 \times 360$ 5y = 9000(ii) ving equation (i) and (ii) $3000 \Rightarrow y = 200$ 2000 = 6000000 se of 40 guests = $4000 + 40 \times 200$ 0 + 8000 00 aju = 10 days = 12 days = 15 days of the work by all of them in 1 day = $\frac{6+5+4}{60} = \frac{1}{4}$ work $=\frac{1}{2}$ Remaining = $1 - \frac{1}{2} = \frac{1}{2}$ e work be completed in x days $\frac{-3}{12} = \frac{1}{2} \Rightarrow \frac{4x+5x-15}{60} = \frac{1}{2}$ -15 = 30 $=45 \Rightarrow x = 5$ al days = 5 + 2 = 7 days $5 = \frac{2200 \times t \times 2}{2}$ 100 $=1\frac{1}{2}$ atio of their investment = 54000 : 90000 ofit = 3600 - 1800 = 1800 of it = $\frac{1800}{5} \times 3 = 360 \times 3 = 1080$ commission = 1800 – 1080 = 720 ommission $=\frac{720}{3600} \times 100 = 20\%$ $P = \frac{100}{92} \times 1380$ red price = $\frac{108}{100} \times \frac{100}{92} \times 1380 = 1620$ et no. of rows = xchairs in each row = 3x= 2187

- $x^{2} = 729$ x = 27 66. (e); Part of the property, widow get = 1 - $\left(\frac{5}{11} + \frac{30}{121}\right)$ = $1 - \frac{85}{121}$ = $\frac{36}{121}$ $\frac{36}{121}$ of the part = 3600 ∴ Full property = $3600 \times \frac{121}{36} = 12100$ ∴ Share of elder son = $\frac{5}{11} \times 12100$ = 5×1100 = 5500Share of younger son = $\frac{30}{121} \times 12100 = 3000$
- **67.** (c); Let initial investments be 5x and 7x Let B invested money for *y* months

 $\therefore \frac{5x \times 7}{7x \times y} = \frac{1}{2}$ 70 = 7y $\therefore y = 10$ months **68.** (b); $\frac{4}{5} = 80\%$ (80 - 45) = 35% of the no. = 56 65% of the no. = $\frac{56}{35} \times 65 = 104$ **69.** (a); Labour's Cost Price = $\frac{4}{9} \times 900 = 400$ Profit on Labour = $\frac{20}{100} \times 400 = 80$ \therefore Marked price = 900 + 80 = 980 **70.** (b); In 1 hour, Subhash can copy = $\frac{50}{10} = 5$ pages In 1 hour, both can copy = $\frac{300}{40} = 7.5$ pages \therefore In 1 hour Prakash can copy = 7.5 - 5 = 2.5 pages \therefore Required time = $\frac{30}{2.5} = 12$ hrs.

