

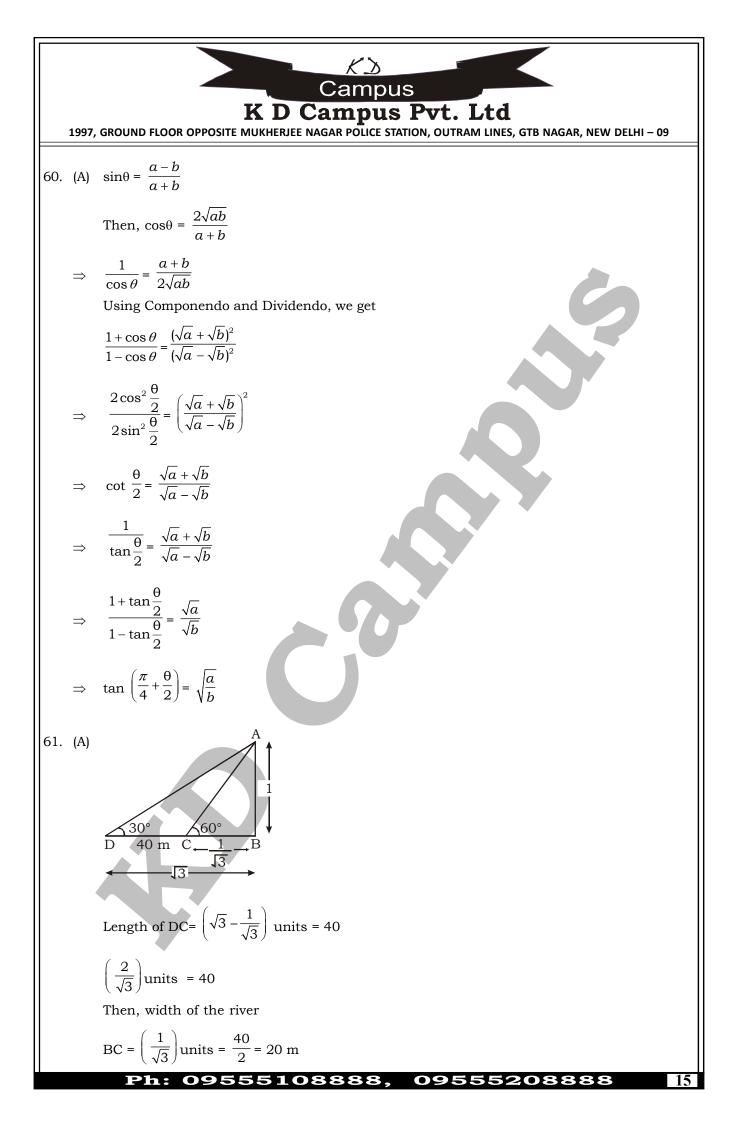
1	007	Campus K D Campus Pvt. Ltd
1:	997,	GROUND FLOOR OPPOSITE MUKHERJEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, NEW DELHI – 09
49. ((A)	$ \begin{array}{r} $
		So, 667 must be added to obtain a perfect square.
50. ($A \rightarrow 10 \qquad 6 \\ B \rightarrow 5 \\ C \rightarrow 20 \qquad 60 \qquad 12 \\ -3 \qquad 60 \qquad 6 \\ -3 \qquad 60 \qquad 6 \\ H = 12 - 3 = 15 \text{ units}$ Now, time taken by A, B and C to complete the work = $\frac{60}{15} = 4$ days
51. (Let pipe B takes <i>x</i> hours to fill the tank
,		Then, pipe A will take $(x + 5)$ hours
		ATQ,
		$\frac{1}{x} + \frac{1}{x+5} = \frac{1}{6}$
52. ((B)	On solving, we get $x = 10$ hours ATQ, S.P. after two successive discounts $= 120 \times \frac{19}{20} \times \frac{19}{20} = 108.3$
		Profit $\Rightarrow 12 \frac{13}{16}\% = \frac{41}{320} \xrightarrow{\rightarrow} \text{Profit}$
		SP = 320+41=361
		CP = 320 Now,
		361 units = 108.3
=	⇒	$1 \text{ unit} = \frac{108.3}{361}$
		Now, CP = 320 units = $\frac{108.3 \times 320}{361}$ = 96
		CP of the article = ₹ 96
	(B)	Milk Water
		$\begin{array}{cccc} I & 5 \\ II & 2 \\ II & 3 \rightarrow 8 \times 3 \times 4 \\ I \rightarrow 3 \times 8 \times 5 \\ \end{array}$
		III 2 $1 \rightarrow 3 \times 3 \times 3$ III 7 $5 \rightarrow 12 \times 2 \times 6$ [Multiplied according to their capacity]
		Now, ratio of milk and water in the new mixture $5 \times 10 + 0 \times 40 + 7 \times 10 + 2 \times 10 + 1 \times 40 + 5 \times 10$
=	⇒	$5 \times 12 + 2 \times 40 + 7 \times 12 : 3 \times 12 + 1 \times 40 + 5 \times 12$ 60 + 80 + 84 : 36 + 40 + 60 = 28 : 17
		Ratio of water and milk = 17 : 28

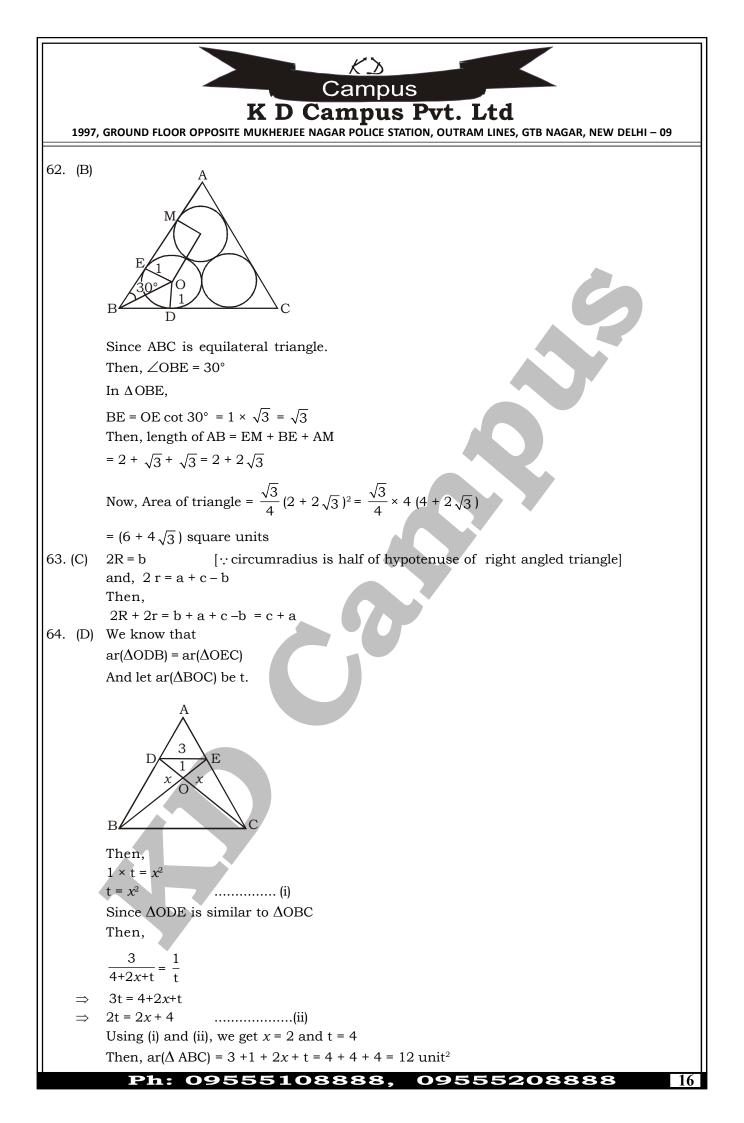
EXAMPLE 1997 GROUND FLORE OPPOSITE MURRIERIZE MAGAR POLE STATION, OUTRAM LINES, GTB MAGAR, NEW DELHI- 09
54. (A) Difference in the temperature of Monday and Thursday –
$$(30 - 27) \times 3 - 9^{\circ}C$$

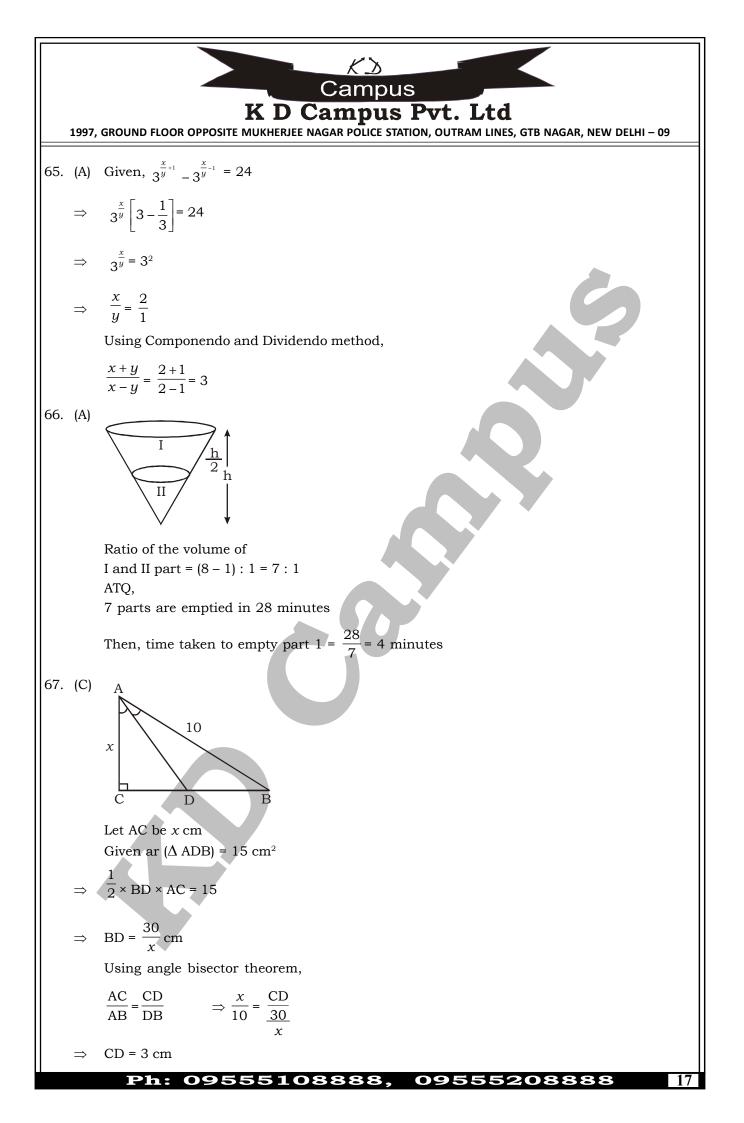
Let the temperature of Thursday be T^oC
Then, Difference of temperature of Monday and Thursday = $T - \frac{2T}{3} = 9$
 $\Rightarrow T - 27^{\circ}C$
 \therefore Temperature of Thursday = 27^oC
55. (A) Abbit Babu Surbhit
75 100 60
Abbn's goods are 25% costlier than Surbh's, then
The selling price of the goods of Surbhit = 775 $\times \frac{100}{125} = 60$
Required preventage $= \frac{100 - 60}{100} \times 100 = 40\%$
56. (D) Let the quantity sold be *x* and new price per article be *y*.
ATQ,
 $\frac{3x}{2} \times y = 250x \times (\frac{100}{17.5})$
On solving we get, $y = 137.5$
 \therefore Reduction in price $-350 - 137.5 - 7112.5$
57. (B) Difference between simple interest and compound interest for 3 years.
 $= P\left(\frac{\tau}{100}\right)^2 (3 + \frac{\tau}{100})$
 $P\left(\frac{1}{8}\right)^2 (3 + \frac{1}{8}) = 125$
 $p = \frac{125 \times 8 \times 8 \times 8}{25} = 2560$
 \therefore Principal amount = ₹ 2500
58. (B) ATQ.
 $1 + b + h = 28$
and $\sqrt{t} + b^2 + h^2 = 15$
Applying the formula,
 $(t^2 + b^2 + t^2 + 2(b + bh + hi))$
 $\Rightarrow 625 - 625 - 2(b + bh + hi)$
 $\Rightarrow 625 - 225 - 2(b + bh + hi)$
 $\Rightarrow 625 - 225 - 2(b + bh + hi)$
 $\Rightarrow 625 - 225 - 2(b + bh + hi)$
 $\Rightarrow 50$. (D) Percentage error $= \frac{4}{3} - \frac{3}{4} \times 100 = \frac{700}{16} = 43\frac{3}{4} \frac{9}{4}$

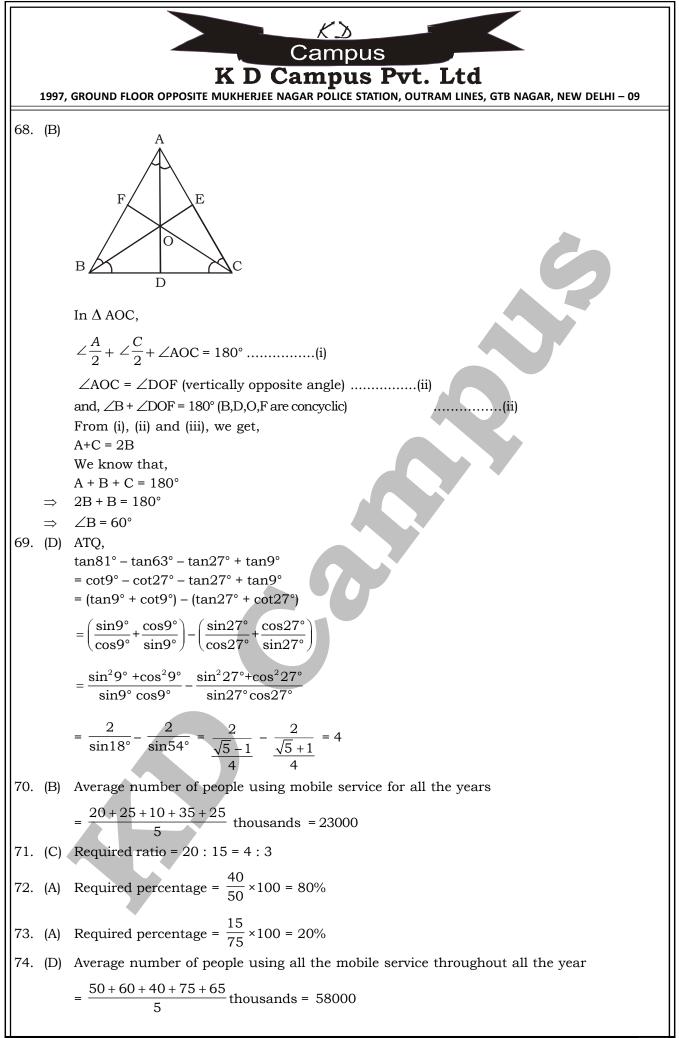
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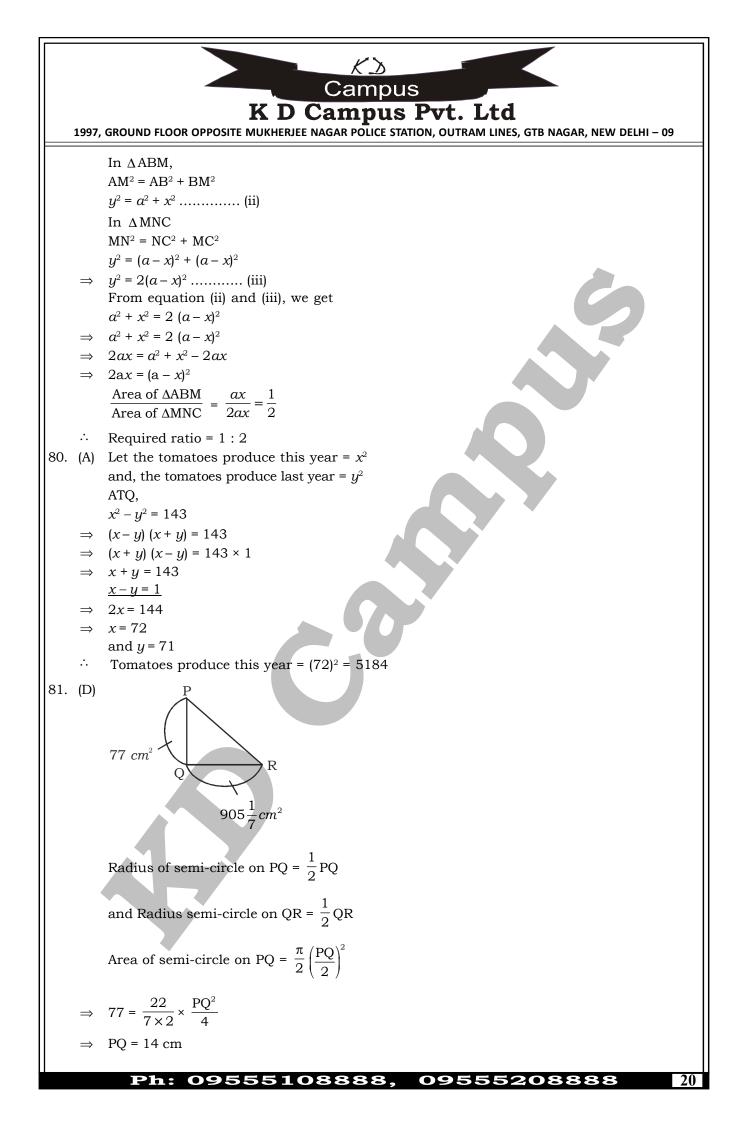


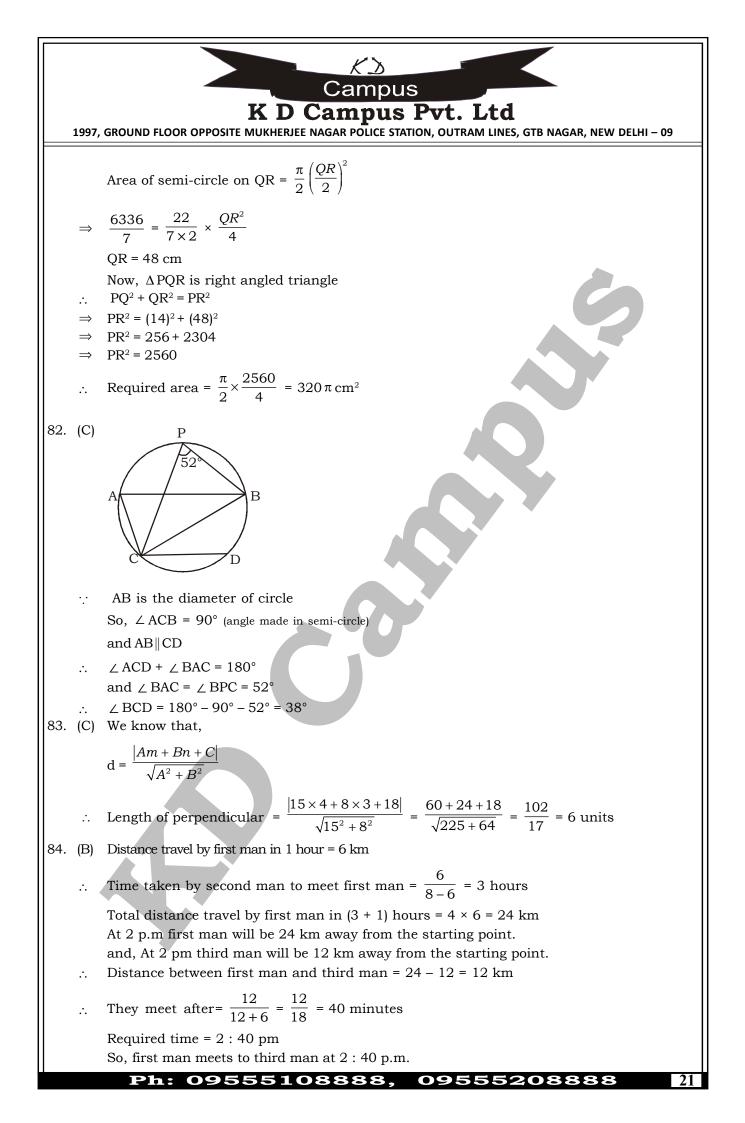


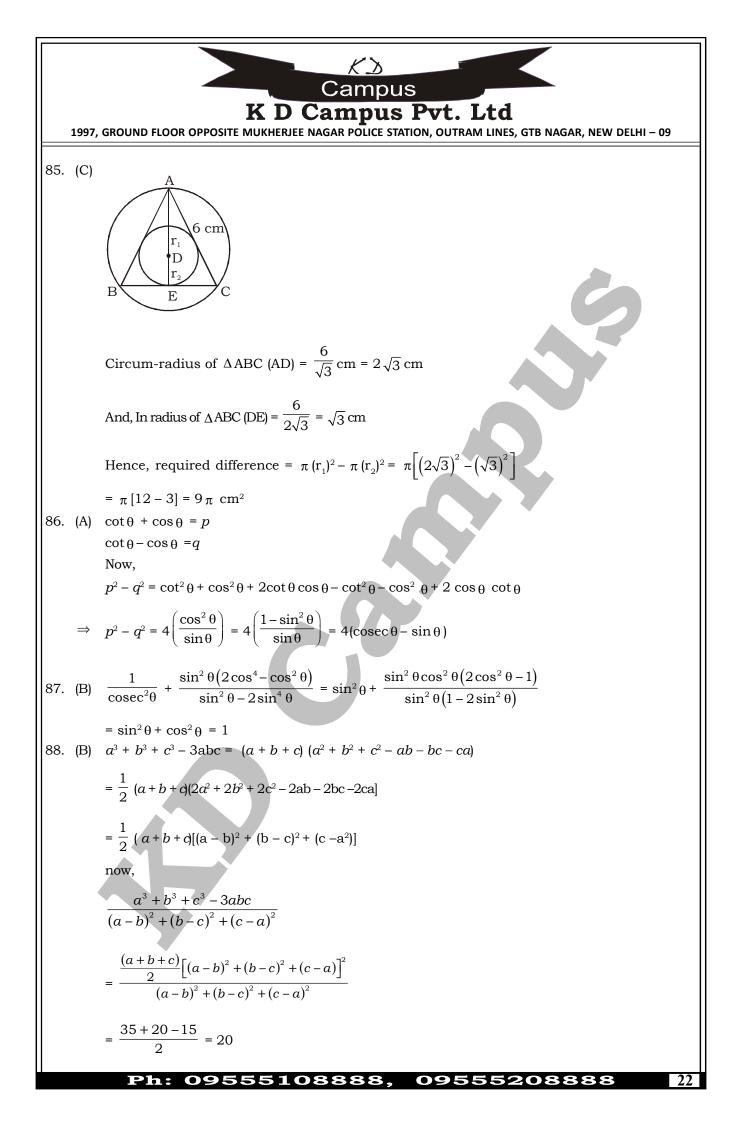
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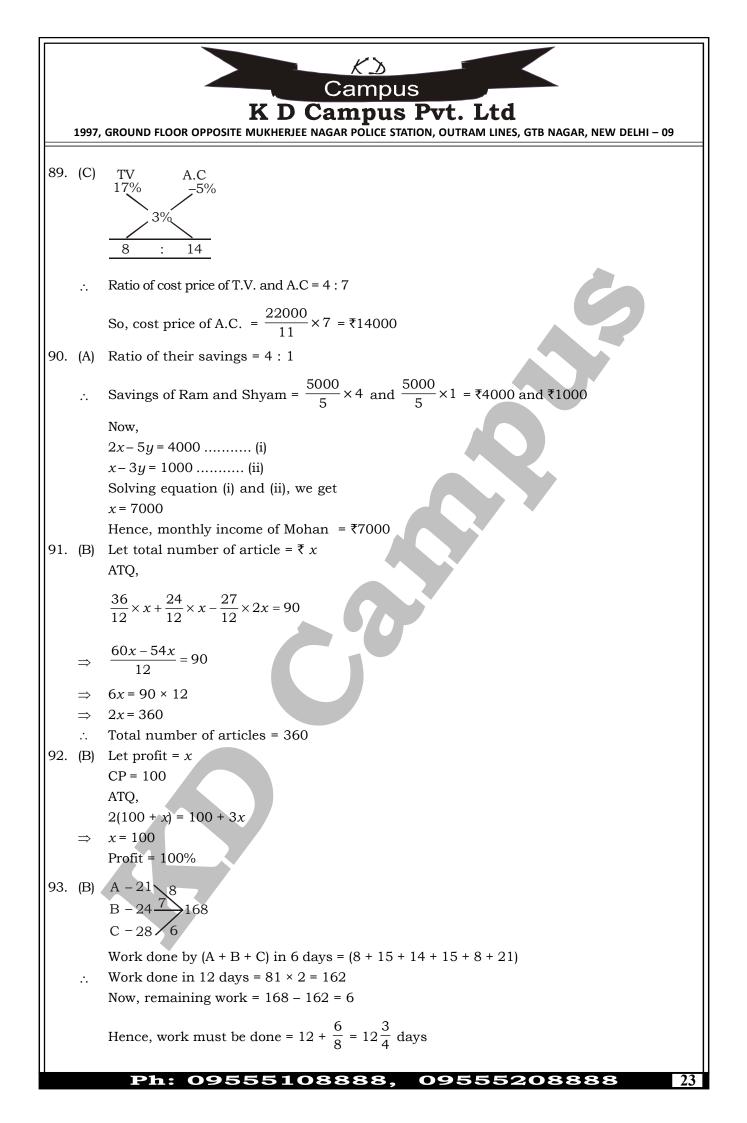
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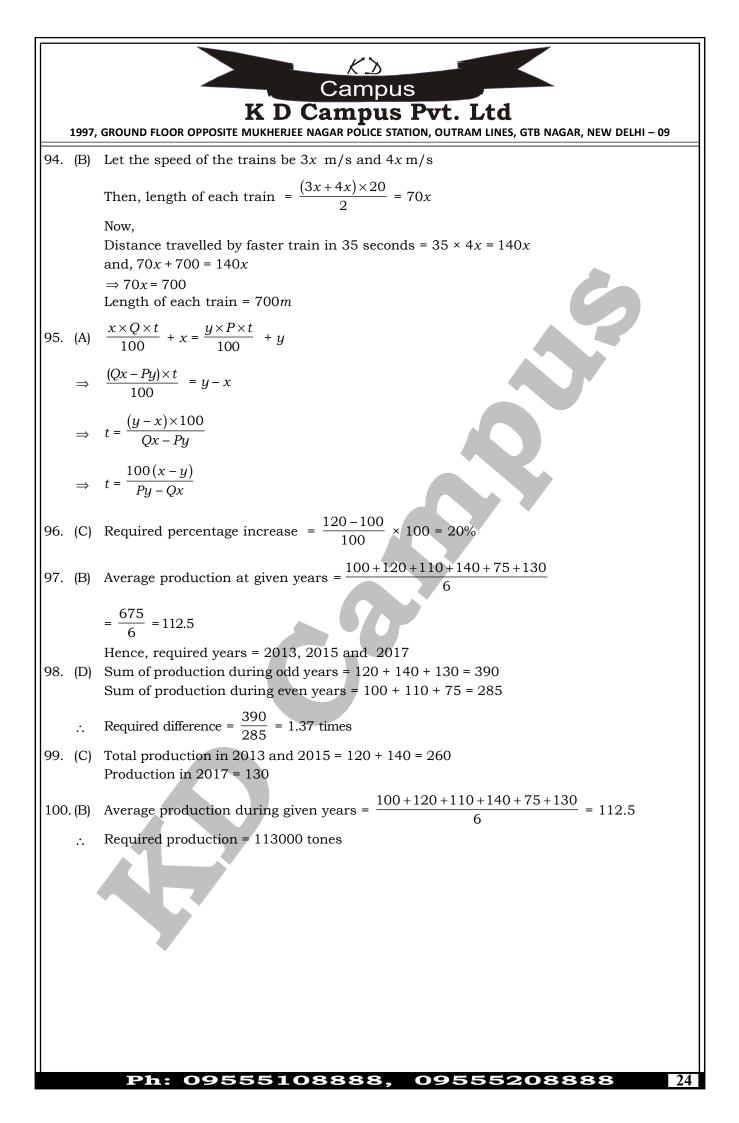
EXAMPLE 19
EXAMPLE 19
EXAMPLE 19
EXAMPLE 11
EXAMPLE 1000 CORRECTE MURICIPAL ARAR POLICE STATION, OUTRAM LIMES, GTB MAGAR, NEW DELHI - 09
T5. (C)
$$\frac{5}{6} = 0.83$$
, $\frac{8}{11} = 0.72$, $\frac{7}{9} = 0.7$, $\frac{15}{12} = 0.88$
 \therefore Required order $= \frac{15}{17} > \frac{5}{6} > \frac{7}{9} > \frac{8}{11}$
T6. (B) $r = 32$ (given)
 \therefore $d = 32 \times 7 = 224$
 $And, q = \frac{224}{16} = 14$
dividend = (divisor v quotient) + remainder
 \Rightarrow Dividend - (224 × 14) + 32
 \Rightarrow Dividend - (224 × 14) + 32
 \Rightarrow Dividend - (24 × 14) + 32
 \Rightarrow P - 3xy (x + y)
 \therefore Required factor - 3xy
T8. (A) Time taken by Keenu in doing whole work - 4 × 3 - 12 hours
Time taken by Nisha in doing whole work = 4 × 4 = 16 hours
Time taken by Nisha in doing whole work = 4 × 4 = 16 hours
Time taken by Nisha in doing whole work = 4 × 4 = 16 hours
Time taken by Nisha in doing whole work = 4 × 4 = 16 hours
Time taken by them together in 1 hour = 15 µnits
Time taken by them together in 1 hour = 15 µnits
Time taken by them together in 0 hours work = $\frac{48 \times 2}{15} = \frac{96}{15} = 6\frac{2}{5}$ hours
79. (D) $A_{ab} = AABM$
Now:
 $Area of AMEM = \frac{1}{2} \times a \times x}$
 $Area of AMEM = \frac{1}{2} \times a \times x}$
 $Area of AMEM = \frac{1}{2} \times (a - x)(a - x)}$
 \Rightarrow Area of AABM
 $Area of AMEM = \frac{a \times x}{1}$
 $AM - N = y$











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 1997, GROUND FLOOR OPPOSITE MUKHERJEE NAGAR POLICE STATION, OUTRAM LINES, GTB NAGAR, NEW DELHI – 09

QUANTITATIVE ABILITY - 90 (ANSWER KEY)

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