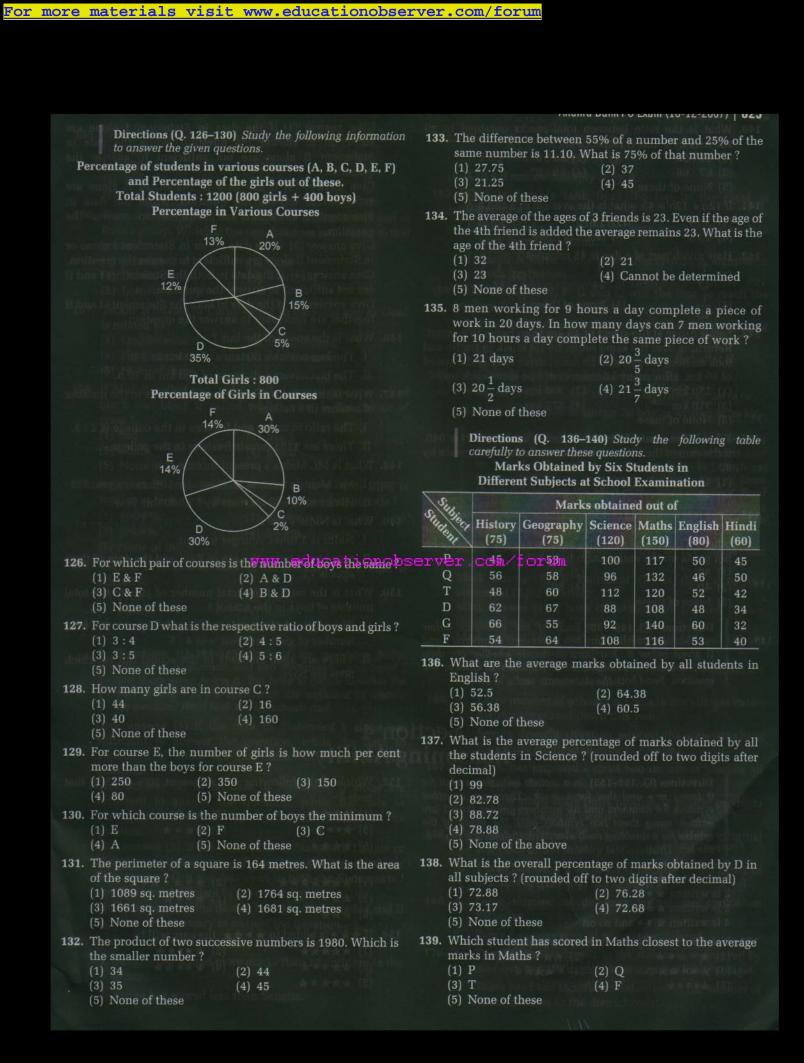
Quantitative	Aptitude
Directions (Q. 101-105) In each of the following questions a number series is given which has only one wrong number. You have to find out the wrong number. 101. 7.5 47.5 87.5 157.5 247.5 357.5 487.5 (1) 357.5 (2) 87.5 (3) 157.5 (2) 87.5 (3) 157.5 (4) 7.5 (5) 47.5 102. 1500 1581 1664 1749 1833 1925 2016 (1) 1581 (2) 1664 (3) 1833 (4) 1925 (5) 1749 103. 1331 2197 3375 4914 6859 9261 12167 (1) 4914 (2) 6859 (3) 9261 (4) 2197	Directions (Q. 106–110) Study the following graph carefully and answer the questions given below. Marks Scored by Five Students in Languages (English, Hindi & Marathi) 000000000000000000000000000000000000
(5) 12167	A B C D E Student
104. 13 16 21 27 39 52 69 (1) 21 (2) 39 10 (1) 21 (2) 39 (4) 52 (5) 16 105. 66 91 120 153 190 233 276 (1) 120 (2) 233	 06. What is the respective ratio of D's marks in English to B's marks in English ? (1) 8:13 (2) 5:14 (3) 7:12
(1) 120 (2) 233 (3) 153 (4) 276 (5) 190	(4) 6 : 13 (5) None of the above

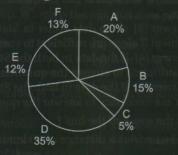
 107. Which of the following statements is true ? (1) 'E' scored the highest total marks (2) 'B' and 'D' had the same score in Hindi (3) A's overall percentage is 50 (4) All the students scored maximum marks in Hindi (5) None of the above 108. What is the difference between the total marks obtained by B and the total marks obtained by C ? (1) 5 marks (2) 2 marks (3) 18 marks (4) No Difference (5) None of these 109. What are the approximate average marks obtained by D ? (1) 38 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage ? (1) 56 (2) 63 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 = ? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these 	 116. The only category of automobiles, which experienced a steady decline in production was? Motor bikes Jeeps Autos Tempos 127. Which of the following statements are true? All categories of automobiles experienced a growth in production between 2001 and 2002. 13. In 2002 the capacity utilization of jeeps was higher than that of motor bikes. 14. Cars, scooters and autos experienced a decline in production from 2001 to 2002. 15. I and III only 16. Capacity utilization was the highest for which category of automobiles in the year 2002? 16. Jeeps 27. Tempos 28. Scooters 20. Tempos 20. Tempos 20. Scooters 20. Tempos 			
 108. What is the difference between the total marks obtained by B and the total marks obtained by C? (1) 5 marks (2) 2 marks (3) 18 marks (4) No Difference (5) None of these 109. What are the approximate average marks obtained by D? (1) 38 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage? (1) 56 (2) 63 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 =? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these 	 117. Which of the following statements are true ? All categories of automobiles experienced a growth in production between 2001 and 2002. II. In 2002 the capacity utilization of jeeps was higher than that of motor bikes. III. Cars, scooters and autos experienced a decline in production from 2001 to 2002. I only (2) II only III only (4) II and III only 118. Capacity utilization was the highest for which category of automobiles in the year 2002 ? Jeeps (2) Tempos Scooters (4) Motor bilare 			
(1) 5 marks (2) 2 marks (3) 18 marks (4) No Difference (5) None of these 109. What are the approximate average marks obtained by D? (1) 38 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage? (1) 56 (2) 63 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 =? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these	 All categories of automobiles experienced a growth in production between 2001 and 2002. II. In 2002 the capacity utilization of jeeps was higher than that of motor bikes. III. Cars, scooters and autos experienced a decline in production from 2001 to 2002. I only I only 			
(1) 5 marks (2) 2 marks (3) 18 marks (2) 2 marks (3) 18 marks (4) No Difference (5) None of these 109. What are the approximate average marks obtained by D? (1) 38 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage? (1) 56 (2) 63 (2) 63 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 =? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5	 All categories of automobiles experienced a growth in production between 2001 and 2002. II. In 2002 the capacity utilization of jeeps was higher than that of motor bikes. III. Cars, scooters and autos experienced a decline in production from 2001 to 2002. I only I only 			
(3) None of these 109. What are the approximate average marks obtained by D? (1) 38 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage? (1) 56 (2) 63 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 =? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these	 III. Cars, scooters and autos experienced a decline in production from 2001 to 2002. (1) I only (2) II only (3) III only (4) II and III only (5) I and III only (5) I and III only (6) I and III only (7) III. Capacity utilization was the highest for which category of automobiles in the year 2002 ? (1) Jeeps (2) Tempos (3) Scooters (4) Motor bilage 			
(4) 54 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage ? (1) 56 (2) 63 (3) 70 (4) 75 (5) 51 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 = ? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these (3) 22.55 (3) 22.55	 III. Cars, scooters and autos experienced a decline in production from 2001 to 2002. (1) I only (2) II only (3) III only (4) II and III only (5) I and III only (5) I and III only (6) I and III only (7) III. Capacity utilization was the highest for which category of automobiles in the year 2002 ? (1) Jeeps (2) Tempos (3) Scooters (4) Motor bilage 			
(4) 54 (2) 43 (3) 50 (4) 54 (5) 47 110. What is C's overall approximate percentage ? (1) 56 (2) 63 (3) 70 (4) 75 (5) 51 (3) 70 (4) 75 (5) 51 Directions (Q. 111-115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 = ? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these (3) 22.55 (3) 22.55	 (1) I only (2) II only (3) III only (4) II and III only (5) I and III only 118. Capacity utilization was the highest for which category of automobiles in the year 2002 ? (1) Jeeps (2) Tempos (3) Scooters (4) Motor bilance 			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	 (3) III only (2) If only (5) I and III only (6) I and III only (7) I and III only (8) I and III only (9) I and III only (1) Jeeps (2) Tempos (1) Jeops (4) Motor bilate 			
(4) 75 (5) 51 Directions (Q. 111–115) What will come in place of the question mark (?) in the following questions ? 111. $22.5 \times 0.05 = ?$ (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these	 (5) I and III only 118. Capacity utilization was the highest for which category of automobiles in the year 2002 ? (1) Jeeps (2) Tempos (3) Scooters (4) Motor bilance 			
 (4) 75 (5) 51 Directions (Q. 111–115) What will come in place of the question mark (?) in the following questions ? 111. 22.5 × 0.05 = ? (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these 	 118. Capacity utilization was the highest for which category of automobiles in the year 2002 ? (1) Jeeps (2) Tempos (3) Scooters (4) Motor bilance 			
111. $22.5 \times 0.05 = ?$ (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these	(1) Jeeps (2) Tempos (3) Scooters (4) Motor biling			
111. $22.5 \times 0.05 = ?$ (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these	(3) Scooters (4) Motor bikes			
111. $22.5 \times 0.05 = ?$ (1) 11.25 (2) 1.125 (3) 22.55 (4) 112.5 (5) None of these	(5) None of these (4) Motor bikes			
(4) 112.5 (5) None of these				
(4) 112.5 (5) None of these				
112 000 1444	119. Which of the following experienced no growth in installed			
112. $999 + 111 \times 0.5 = ?$	(1) C			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(1) Cars (2) Motor bikes (3) Jeeps (4) Autos			
(4) 1110.5 (5) None of these	(5) None of these			
113. 40% of $250 = 50\%$ of ?	120. Capacity utilization was the lowest for which category of automobiles in the year 2000 2			
(1) 200 (2) 100 (3) 150 (4) 400	(1) Scooters (2) Tomo			
(5) None of these	server, com/forum (4) Autos			
114. $(4)^{-} = 1024$	serv ⁽³⁾ Carsom/forum ⁽⁴⁾ Autos			
(1) 1 (2) 2 (3) 3 (4) 4 (5) None of these	Directions (Q. 121–125) What approximate value should come in place of the question mark (?) in the following questions ? (You are not in the state of the st			
115. $\frac{1}{2} + \frac{1}{4} + \frac{3}{4} + \frac{2}{3} = ?$	following questions ? (You are not expected to calculate the exact value.)			
(1) $2\frac{1}{r}$ (2) $\frac{1}{r}$ (3) $2\frac{1}{r}$	121. $(98 \times 198) \div (48 \times 148) = ?$			
$\frac{16}{16}$	$\begin{array}{c} (1) \ 3.13 \\ (2) \ 2.43 \end{array}$			
(4) $2\frac{1}{6}$ (5) None of these	(3) 2.73 $(4) 353$			
	(5) 2.41			
	122. $(2.0001)^3 = ?$			
and diswer the questions given below.	(1) 6 (2) 6.75 part (2) (2) 6.75			
Installed Capacity and	(3) 5			
Production of Vehicles over the Years	(5) 8 122 5 00/ fair			
Category Installed Capacity Production	123. 5.6% of $240 \div 0.3\%$ of $480 = ?$			
2000 2001 2002 0000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Tempos 70.0 70.0 80.5 11.0 2002	(3) 7.53 (5) 13.44 (4) 8.33			
Cars 47.5 54.4 53.9 23.5 41.2 51.8 58.6	$124. \sqrt{4556} + \sqrt{7943} - 56 = ?$			
Teens 14.0 4 and 5000	(1) 100			
11.0 14.0 10.5 12.0 13.3	(2) 200			
Motor bikes 77.5 77.5 80.0 68.0 96.9 98.0	(3) 200 (4) 250 (5) 125			
Scooters 150.0 150.0 200.0 100.4 150.0 120.5 1	25. $(1786 + 23.894 + 3251) + 50 = ?$			
Autos 290 200 200 and				
<u>Matos 29.0 30.0 32.0 18.4 19.4 15.1</u>	(2) 104			
Capacity utilization = Production	(3) 131 (5) 91 (4) 101			



107. Which	of the fe	ollowin	a staton	ionto i							
 107. Which of the following statements is true ? (1) 'E' scored the highest total marks (2) 'E' and 'D' back? 							116. The only category of automobiles, which experienced steady decline in production				
(2) D and D had the same score in Hindi							(1) Motor L'				
(J) AS	 (3) A's overall percentage is 50 (4) All the students scored maximum marks in Hindi (5) None of the abave 						(1)	Autos	(2) Jeer		
(5) Non	e of the	above	orea ma	aximun	1 marks	in Hindi		None of these	(4) Ten	npos	
108. What is the difference between the total model in the						nka ahtat	117. Which of the following statements are true ?				
(1) 5 ma	(1) 5 marks (2) 2 marks					rks obtain	I. All categories of automobiles experienced a growth in production between 2001 and 2002.				
(3) 18 m (5) None	(3) 18 marks (4) No Difference (5) None of these						II. In 2002 the capacity utilization of isome react the				
			ate avor	0.00 m az	J L			char or motor	DIKES.		
(1) 38 (4) 54	(3) 50 (5) 47						production from 2001 to 2002.				
110. What is ((1) 56 (2) (3) 47				an (1)	Ionly	(2) II on	ly bolian loojon			
(1) 56 (4) 75		(2) (5)	63	l perce	(3) 70		(5)	III only I and III only	THE DEPOSIT		
	56%						118. Cap	acity utilization wa	as the highest	for which catego	orv of
Directi	ions (Q.	(2) in 4	15) Wha	t will c	ome in	place of th		omobiles in the yea Jeeps	1 2002 :		5 01
111. 22.5 × 0.0	at munk	(:) in th	e follow	ing ques	stions ?		(3)	Scooters	(2) Temp (4) Motor	los hikos	
(1) 11.25		(2) 1	125		an an a	1.181	(5)]	None of these			
(4) 112.5		(5) N	Jone of	these	3) 22.5		119. Whi	ch of the following	experienced n	o growth in inst	alled
112. 999 + 111							 119. Which of the following experienced no growth in installed capacity over the period of 2000 to 2002 ? (1) Cars (2) Motor bikes 				
(1) 555		(2) 5	00	(3	3) 1054	.5	(3) J	eeps	(2) Motor (4) Autos	bikes	
(4) 1110.5	a sicilia	(5) N	lone of t	these	anstean	11. (1) .50	(5) N	None of these			
113. 40% of 25(J = 50%	of?					120. Capa	city utilization was	s the lowest fo	or which categor	w of
(1) 200 (2) 100 (3) 150 (4) 400							 120. Capacity utilization was the lowest for which category of automobiles in the year 2000 ? (1) Scooters (2) Tempos 				
(5) None o	f these						(3) C	are	(2) Tempo (4) Autos)S	
114. $(4)^2 = 1024$				WW.E	educa	ationc	bserven	of these run	(4) Autos		
(1) 1 (4) 4		(2) 2		(3)) 3		Di	rections (Q. 121-	-125) What	ann rowing of -	
	2	(5) N(one of tl	lese							
115. $\frac{1}{2} + \frac{1}{4} + \frac{3}{4} + \frac{3}{4}$	$\frac{-}{3} = ?$							lowing questions ? exact value.)	You are not e	xpected to calcul	late
(1) $2\frac{1}{5}$		(2) 1		(2)	2-1			$(98) + (48 \times 148) = ?$			
		16			16		(1) 3.1	13	(2) 2.43		
(4) $2\frac{1}{6}$		(5) No	ne of th	ese			(3) 2.5 (5) 2.4		(4) 3.53		
Direction carefully	s (Q.	116-12	20) Stud	v the	follor		122. (2.000				
carefully (and ans	wer the	question	s given	below.	ng table	(1) 6		(2) 6.75		
	Installed Capacity and Production of Vehicles over the Years					(3) 5		(4) 4			
Pro	oductio	n of Vel	hicles o	ver the	Years		(5) 8 123, 5.6% o	f240 + 0.20(
Category	Insta	lled Ca	pacity	Р	roducti	on	(1) 8.4	f 240÷0.3% of 480 3			
	2000	2001	2002	2000	2001	2002	(3) 7.5		(2) 9.33 (4) 8.33		
Tempos	70.0	79.0	89.5	41.2	51.8	58.6	(5) 13.4	44 5015 (1)	(*) 0.33		
Cars	47.5	54.4	53.0	36.6	33.6	30.3		$+\sqrt{7943}-56=?$			
Jeeps	14.0	14.0	14.0	10.5	12.0	13.3	(1) 100		(2) 150		
Motor bikes	77.5	77.5	80.0	68.0	96.9	98.0	(3) 200 (5) 125		(4) 250		
Scooters	150.0	150.0	200.0	100.4	150.0	120.5		23.894 + 3251) + 50	alu must		
Autos	29.0	30.0	32.0	18.4	19.4	15.1	(1) 81				
Capacity utili	zation -	Pr	oduction	n			(3) 131		(2) 121(4) 101		
i i i i i i i i i i i i i i i i i i i	sation -		led capa				(5) 91		(4) 101		

Directions (Q. 126-130) Study the following information to answer the given questions.

Percentage of students in various courses (A, B, C, D, E, F) and Percentage of the girls out of these. Total Students : 1200 (800 girls + 400 boys) **Percentage in Various Courses**







126. For which pair of courses is the number of hoys the same

- (2) A & D (1) E & F (4) B & D
- (3) C & F
- (5) None of these
- 127. For course D what is the respective ratio of boys and girls ? (2) 4:5
 - (3) 3:5(4) 5:6
 - (5) None of these
- 128. How many girls are in course C?
 - (1) 44
 - (3) 40
 - (5) None of these
- 129. For course E, the number of girls is how much per cent more than the boys for course E?
 - (1) 250 (2) 350
 - (4) 80 (5) None of these
- 130. For which course is the number of boys the minimum ? (1) E(2) F (3) C
 - (5) None of these (4) A
- 131. The perimeter of a square is 164 metres. What is the area of the square ?
 - (1) 1089 sq. metres (2) 1764 sq. metres
 - (3) 1661 sq. metres (4) 1681 sq. metres
 - (5) None of these
- 132. The product of two successive numbers is 1980. Which is the smaller number ?
 - (1) 34 (2) 44 (3) 35 (4) 45
 - (5) None of these

- 133. The difference between 55% of a number and 25% of the same number is 11.10. What is 75% of that number ?
 - (1) 27.75 (2) 37 (3) 21.25
 - (4) 45 (5) None of these
- 134. The average of the ages of 3 friends is 23. Even if the age of the 4th friend is added the average remains 23. What is the age of the 4th friend ?
 - (1) 32 (2) 21
 - (3) 23 (4) Cannot be determined
 - (5) None of these
- 135. 8 men working for 9 hours a day complete a piece of work in 20 days. In how many days can 7 men working for 10 hours a day complete the same piece of work ?
 - (2) $20 \frac{3}{4}$ days (1) 21 days
 - (3) $20\frac{1}{2}$ days (4) $21\frac{3}{5}$ days
 - (5) None of these
 - Directions (Q. 136-140) Study the following table carefully to answer these questions.

Marks Obtained by Six Students in **Different Subjects at School Examination**

Sus	Marks obtained out ofHistoryGeographyScienceMathsEnglishHindi(75)(75)(120)(150)(80)(60)								
Student	History (75)	Geography (75)	Science (120)	Maths (150)	English (80)	Hindi (60)			
Р	45	53	100	117	50	45			
rvęr.	CCBV	orygi	96	132	46	50			
Т	48	60	112	120	52	42			
D	62	67	88	108	48	34			
G	66	55	92	140	60	32			
F	54	64	108	116	53	40			

- 136. What are the average marks obtained by all students in English ?
 - (1) 52.5 (2) 64.38 (3) 56.38
 - (4) 60.5
 - (5) None of these
- 137. What is the average percentage of marks obtained by all the students in Science ? (rounded off to two digits after decimal)
 - (1) 99
 - (2) 82.78
 - (3) 88.72
 - (4) 78.88
 - (5) None of the above
- 138. What is the overall percentage of marks obtained by D in all subjects ? (rounded off to two digits after decimal)
 - (1) 72.88 (2) 76.28
 - (3) 73.17 (4) 72.68
 - (5) None of these
- 139. Which student has scored in Maths closest to the average marks in Maths ?
 - (1) P (2) Q
 - (5) None of these

 140. What is the ratio between total marks obtained in subjects by F and G respectively ? (1) 87:89 (2) 89:87 (3) 67:69 (4) 69:67 (5) None of these 	all Give answer (1) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question. Give answer (2) if the data in Statement II alone are				
141. If $12a + 12b = 45$, what is the average of a and b?(1) 3.75 (2) 1.875 (3) 3.875 (4) 1.75 (5) None of these	sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.				
142. How much part of a day is 45 minutes ? (1) $\frac{1}{42}$ (2) $\frac{1}{24}$ (3) $\frac{1}{32}$ (4) $\frac{1}{48}$ (5) None of these	Give answer (3) if the data either in Statement I alone or in Statement II alone are sufficient to answer the question. Give answer (4) if the data in both the Statements I and II are not sufficient to answer the question. Give answer (5) if the data in both the Statements I and II together are necessary to answer the question.				
 143. Samir drove at the speed of 45 km from home to a resore Returning over the same route, he got stuck in traffic at took an hour longer, also he could drive only at the spee of 40 km. How many kilometres did he drive each way (1) 250 km (2) 300 km (3) 310 km (4) 275 km (5) None of these 144. What is the greater of two numbers whose product is 6 	 46. What is the speed of the bus ? and i. The bus covers a distance of 80 km in 5 h. 7? II. The bus covers a distance of 160 km in 10 h. 147. What is the ratio of the number of freshers to the number of seniors in a college ? 40, II. The ratio of males and females in the college is 2 : 3. 				
if the sum of the two numbers, exceeds their difference 32 ? (1) 45 (2) 50 (3) 55 (4) 40 (5) None of these	 II. There are 1125 female freshers in the college. 148. What is Mr. Mehta's present income ? I. Mr. Mehta's income increases by 10% every year. 				
(1) 80 (2) 70 (3) 40 (4) 50 (5) None of these	 the 149. What is Nidhi's age ? for I. Nidhi is 3 times younger to Rani. bserven. Surekhafs Width the age of Rani and the sum of their ages is 72. 150. What is the ratio of the total number of girls to the total number of boys in the school ? 				
Directions (Q. 146–150) Each of the questions bel	low I. The ratio of the total number of boys to the total				

II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

- - II. There are 3500 students in the school out of which