



Mahendra's

FOR MORE DISCOUNT VISIT www.mahendras.org & USE PROMO CODE :



Mahendra's

SBI Clerk 2021



6HOUR
मैराथन

LIVE  **4 July | 8:00 AM - 2:00 PM**

English | Maths | Reasoning



Mahendra's

FOR MORE DISCOUNT VISIT www.mahendras.org & USE PROMO CODE :





What should come at place of the question mark (?) in the following number series ?

1. 3, 12, 37, 86, 167, ?

(A)198

(B)208

(C)228

(D)288

(E) 298





What should come at place of the question mark (?) in the following number series ?

2. 1920, ?, 24, 4, 1, 0.5

(A)192

(B)240

(C)144

(D)288

(E) 196





What should come at place of the question mark (?) in the following number series ?

3. 100, 119, 81, 138, ?

(A) 112

(B) 108

(C) 71

(D) 84

(E) 62





What should come at place of the question mark (?) in the following number series ?

4. 1.1, ?, 3.9, 5.6, 7.5

(A) 1.8

(B) 2.8

(C) 2.4

(D) 2.1

(E) 2.2





What should come at place of the question mark (?) in the following number series ?

5. 7, 15, 31, ?, 127, 255

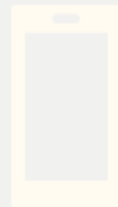
(A)62

(B)63

(C)64

(D)68

(E)84





What should come at place of the question mark (?) in the following number series ?

6. **2442, 1222, 614, 312, 163, ?, 55.75**

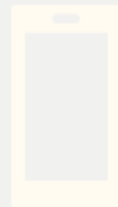
(A)90

(B)89.5

(C)90.5

(D)81.5

(E) 84.5





What should come at place of the question mark (?) in the following number series ?

7. **10, 20, 60, ?, 2100, 23100**

(A) 300

(B) 240

(C) 180

(D) 360

(E) 288





What should come at place of the question mark (?) in the following number series ?

8. 3375, 2744, 2197, 1728, ?, 1000

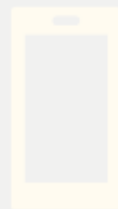
(A)1290

(B)1313

(C)1331

(D)1296

(E) 1333





What should come at place of the question mark (?) in the following number series ?

9. 492, 128, 36, 12, 5, ?

(A) 2.5 (B) 2.2 (C) 2.25 (D) 2.75 (E) 1.5





What should come at place of the question mark (?) in the following number series ?

10. **60, 360, 72, 288, 96, ?**

(A) 288

(B) 244

(C) 144

(D) 192

(E) 168





Direction:- In each question two equations numbered (I) and (II) are given. You have to solve both the equations and mark appropriate answer.

(a) If $x > y$

(b) If $x < y$

(c) If $x \geq y$

(d) If $x \leq y$

(e) $x = y$ or no relation can be established



11. I. $x^2 + 7x + 12 = 0$

II. $y^2 - 9y + 20 = 0$





12. I. $x^2 + x - 12 = 0$

II. $y^2 + 5y - 6 = 0$





13. I. $x^2 + 11x + 18 = 0$

II. $y^2 + 9y + 14 = 0$





14. I. $x^2 - 26x + 168 = 0$

II. $y^2 - 25y + 156 = 0$





15. I. $5x^2 - 29x + 36 = 0$

II. $10y^2 - 3y - 27 = 0$

0:30





16. I. $8x^2 - 49x + 45 = 0$

II. $6y^2 - 47y + 80 = 0$





17. I. $35x^2 - 53x + 20 = 0$

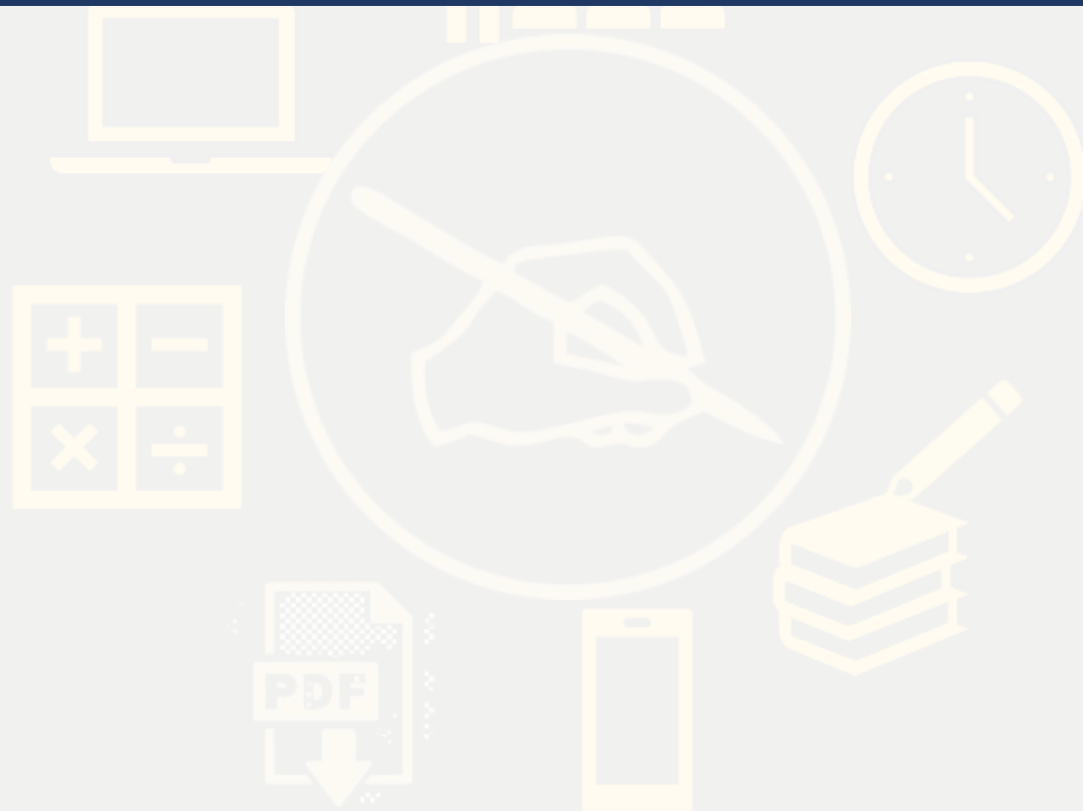
II. $56y^2 - 97y + 42 = 0$





18. I. $20x^2 - 67x + 56 = 0$

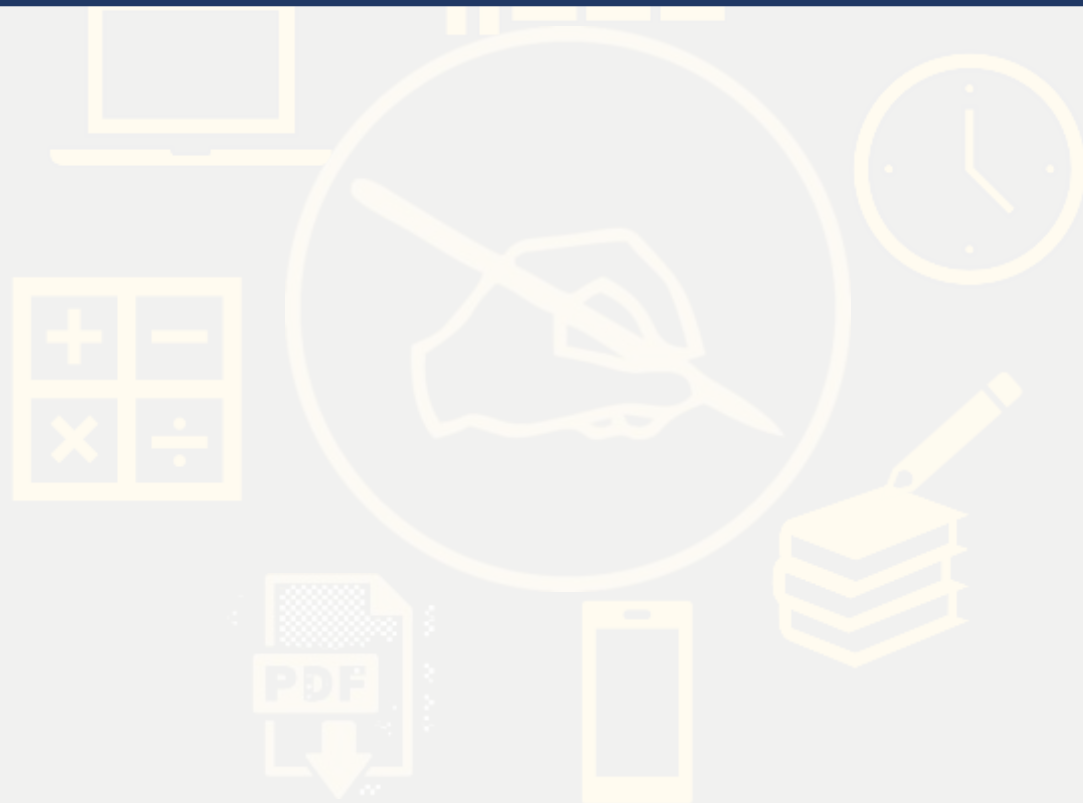
II. $56y^2 + 67y + 20 = 0$





19. I. $16x^2 - 40x - 39 = 0$

II. $12y^2 - 113y + 255 = 0$





20. I. $5x^2 + 26x - 24 = 0$

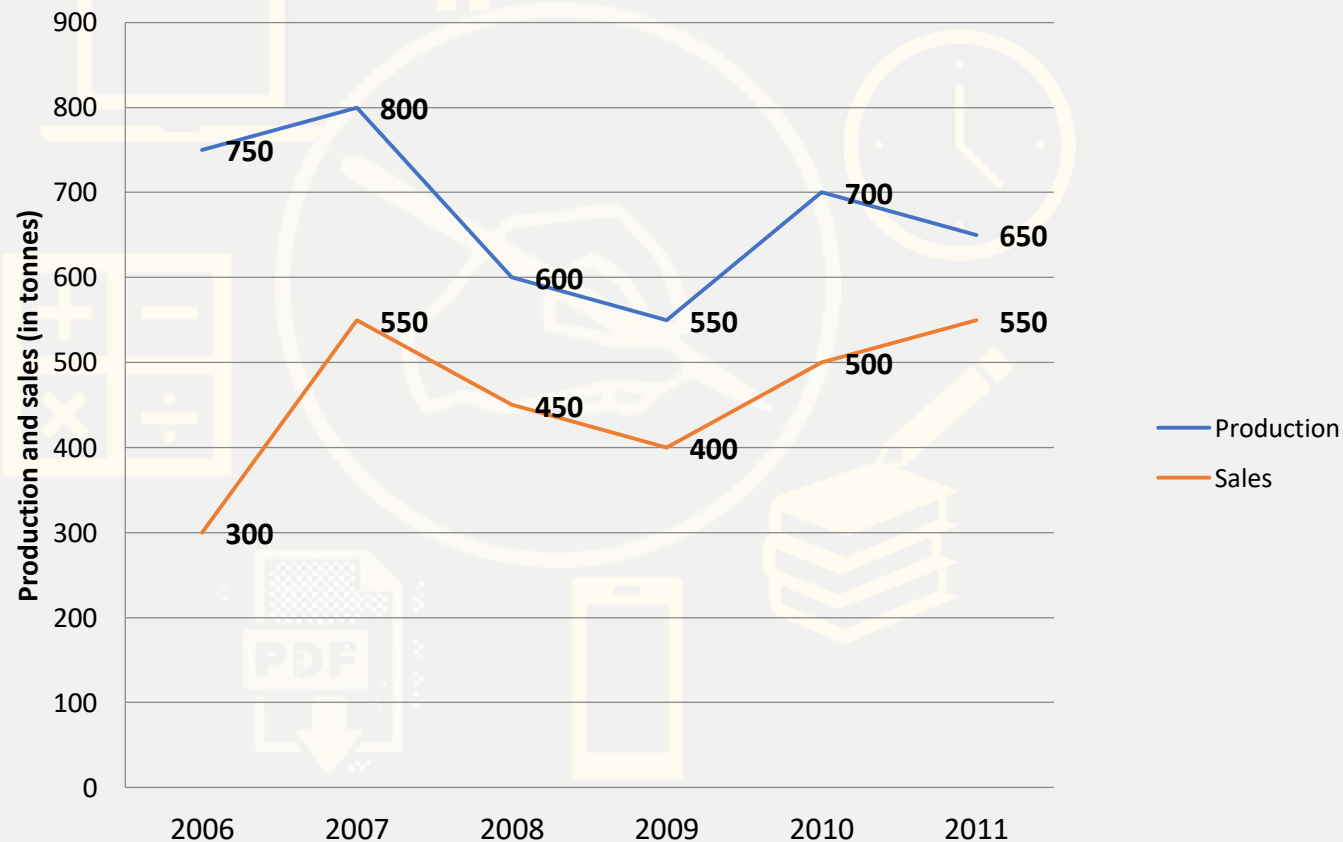
II. $y^2 - 2y - 35 = 0$





Study the graph and answer the given question.

The graph given below represents the production and sales of company A from 2006 - 2011



The table below represents the ratio of the production company A to B and sales of company A to B (in tonnes)

| Year | Production | Sales |
|------|------------|-------|
| 2006 | 5:4 | 2:3 |
| 2007 | 8:7 | 11:12 |
| 2008 | 3:4 | 9:14 |
| 2009 | 11:12 | 4:5 |
| 2010 | 14:13 | 10:9 |
| 2011 | 13:14 | 1:1 |



Q.21:- What is the approximate percentage increase in the production of company A from the year 2009 to the production of company A in the year 2010 ?
वर्ष 2009 से वर्ष 2010 में कंपनी A के उत्पादन में अनुमानित प्रतिशत वृद्धि क्या है?

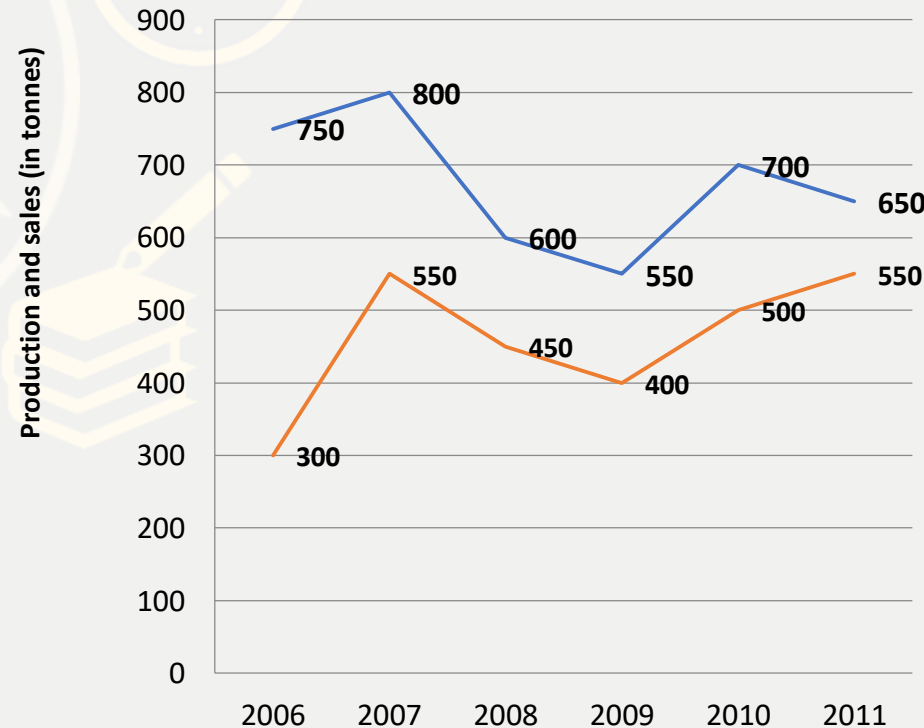
(A)18%

(B)38%

(C)23%

(D)27%

(E)32%



| Year | Pro | Sales |
|------|-------|-------|
| 2006 | 5:4 | 2:3 |
| 2007 | 8:7 | 11:12 |
| 2008 | 3:4 | 9:14 |
| 2009 | 11:12 | 4:5 |
| 2010 | 14:13 | 10:9 |
| 2011 | 13:14 | 1:1 |



Q.22:- The sales of company A in the year 2009 was approximately what percent of the production of company A in same years ?

वर्ष 2009 में कंपनी A की बिक्री लगभग उसी वर्ष कंपनी A के उत्पादन का लगभग कितना प्रतिशत थी?

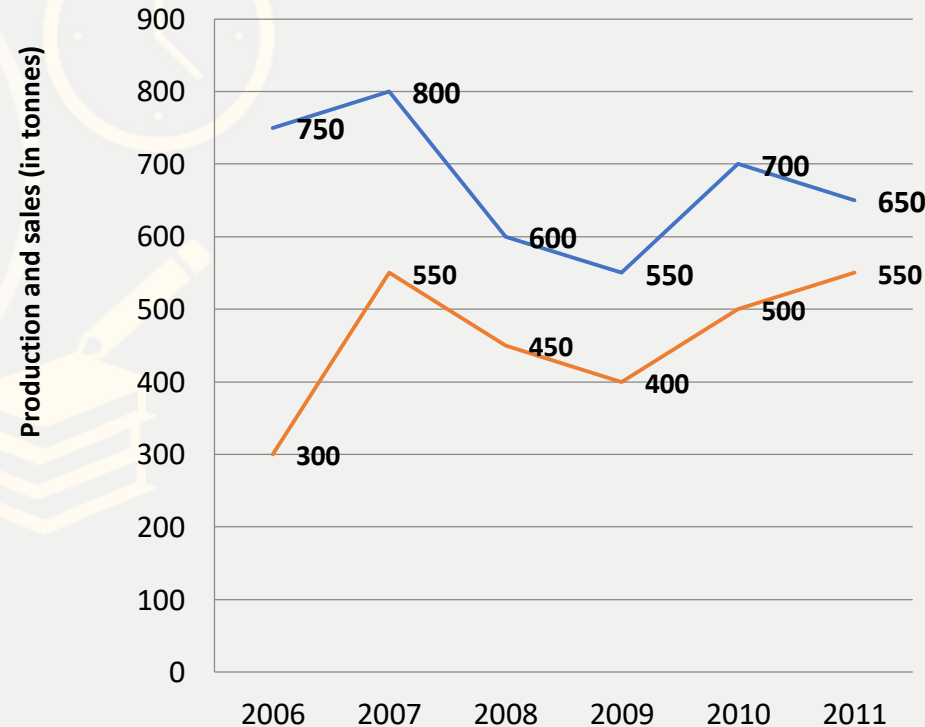
(A)65%

(B)73%

(C)79%

(D)83%

(E)69%



| Year | Pro | Sales |
|------|-------|-------|
| 2006 | 5:4 | 2:3 |
| 2007 | 8:7 | 11:12 |
| 2008 | 3:4 | 9:14 |
| 2009 | 11:12 | 4:5 |
| 2010 | 14:13 | 10:9 |
| 2011 | 13:14 | 1:1 |



Q.23:- What was the average production of company B (in tonnes) from the year 2006 to the years 2011?

वर्ष 2006 से वर्ष 2011 तक कंपनी B (टन में) का औसत उत्पादन कितना था?

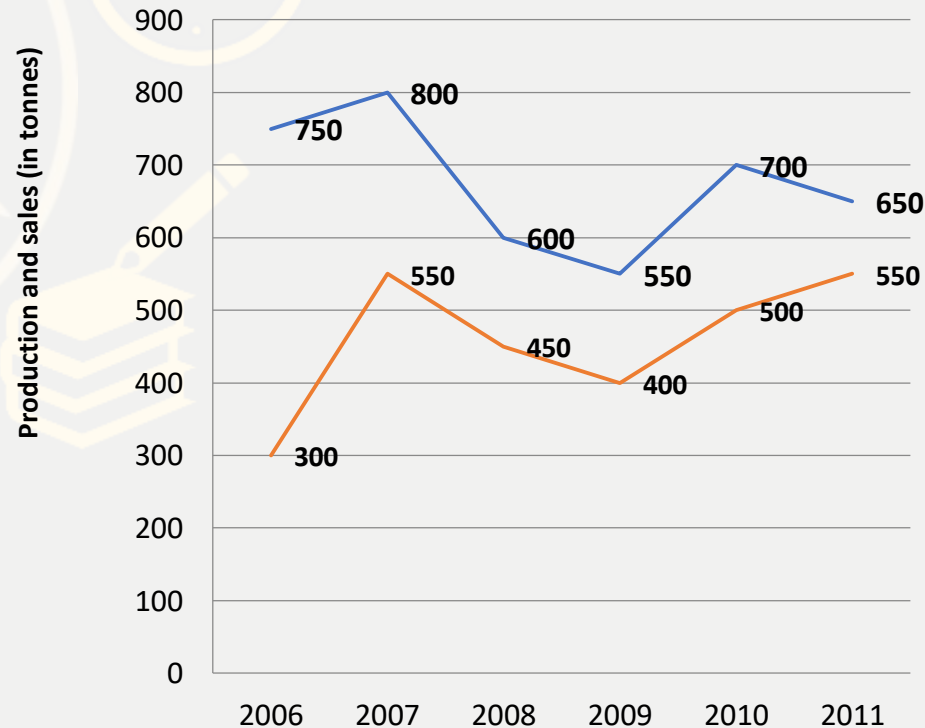
(A)576

(B)649

(C)675

(D)593

(E)618



| Year | Pro | Sales |
|------|-------|-------|
| 2006 | 5:4 | 2:3 |
| 2007 | 8:7 | 11:12 |
| 2008 | 3:4 | 9:14 |
| 2009 | 11:12 | 4:5 |
| 2010 | 14:13 | 10:9 |
| 2011 | 13:14 | 1:1 |

Q.24:- What was the respective ratio of the total production of company A to the total sales of company A ?

कंपनी A की कुल बिक्री में कंपनी A के कुल उत्पादन का संबंधित अनुपात क्या था?

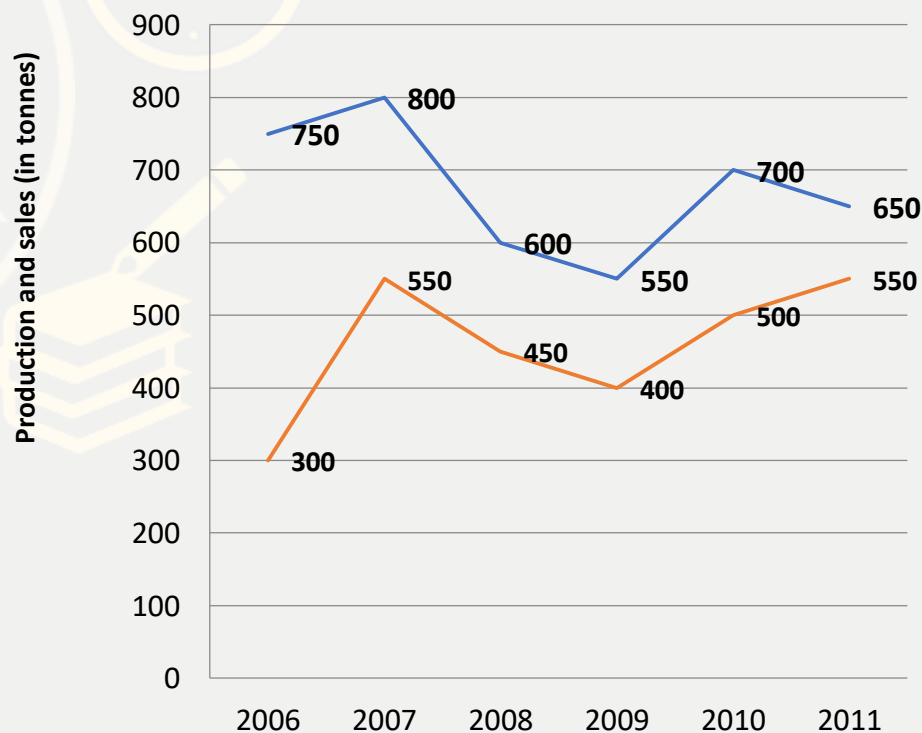
(A) 81:64

(B) 64:55

(C) 71:81

(D) 71:55

(E) 81:55



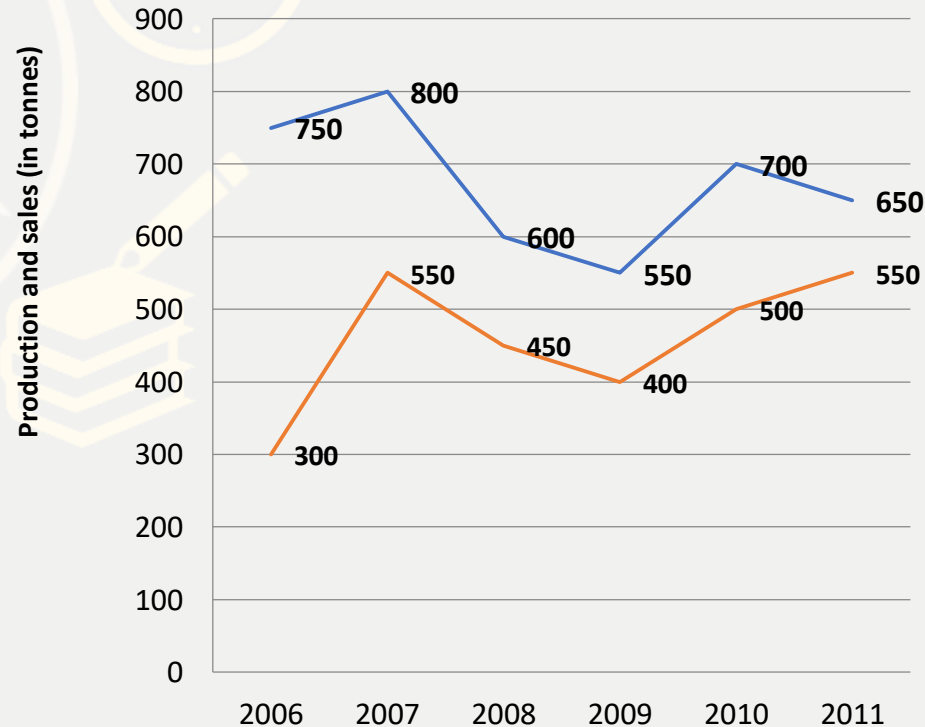
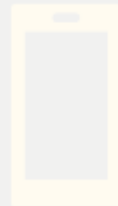
| Year | Pro | Sales |
|------|-------|-------|
| 2006 | 5:4 | 2:3 |
| 2007 | 8:7 | 11:12 |
| 2008 | 3:4 | 9:14 |
| 2009 | 11:12 | 4:5 |
| 2010 | 14:13 | 10:9 |
| 2011 | 13:14 | 1:1 |



Q.25:- What is the respective ratio of production of company B (in tonnes) in the year 2006 to the production of company B in the year 2008 ?

वर्ष 2006 में कंपनी B के उत्पादन का संबंधित अनुपात (टन में) वर्ष 2008 में कंपनी B के उत्पादन का संबंधित अनुपात क्या है?

- (A)81:64 (B)64:55 (C)71:81 (D)71:55 (E)81:55



| Year | Pro | Sales |
|------|-------|-------|
| 2006 | 5:4 | 2:3 |
| 2007 | 8:7 | 11:12 |
| 2008 | 3:4 | 9:14 |
| 2009 | 11:12 | 4:5 |
| 2010 | 14:13 | 10:9 |
| 2011 | 13:14 | 1:1 |



Mahendra's

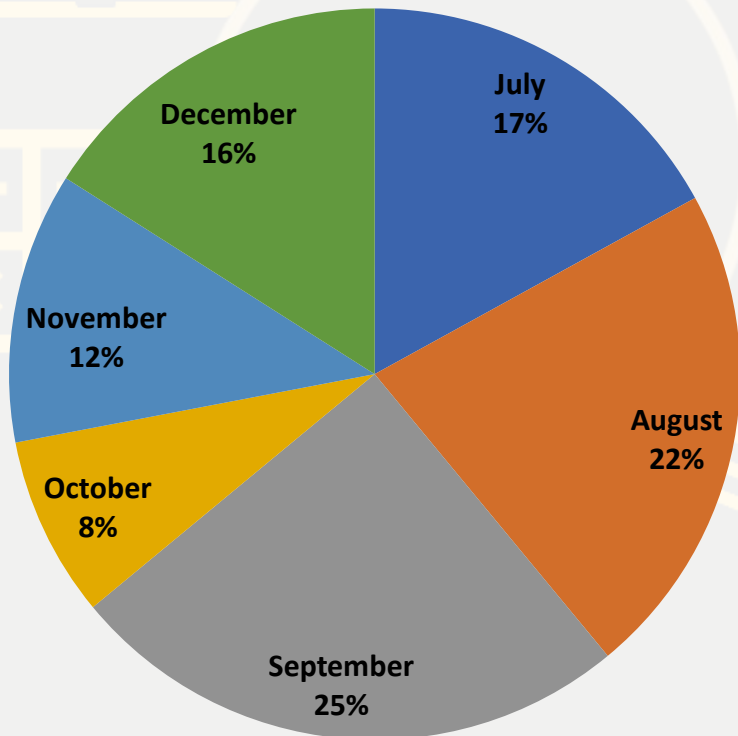
Total number of mobile phone sold = 45000

FOR MORE DISCOUNT VISIT www.mahendras.org & USE PROMO CODE : **E04613**

Study the Pie chart and answer the given question.

Percentagewise distribution of the number of mobile phone sold by a shopkeeper during six month

Total number of mobile phone sold = 45000



The respective ratio between the number of mobile phone sold of company A and B during six month

| Month | Ratio |
|-----------|-------|
| July | 8:7 |
| August | 4:5 |
| September | 3:2 |
| October | 7:5 |
| November | 7:8 |
| December | 7:9 |

Q.26:- What is the respective ratio between the number of mobile phone sold of company B during July and those sold during December of the same company ?

जुलाई के दौरान कंपनी B के बेचे गए मोबाइल फोन की संख्या और उसी कंपनी के दिसंबर के दौरान बेचे जाने वाले मोबाइल फोन के बीच संबंधित अनुपात क्या है?

(A) 119:145

(B) 116:135

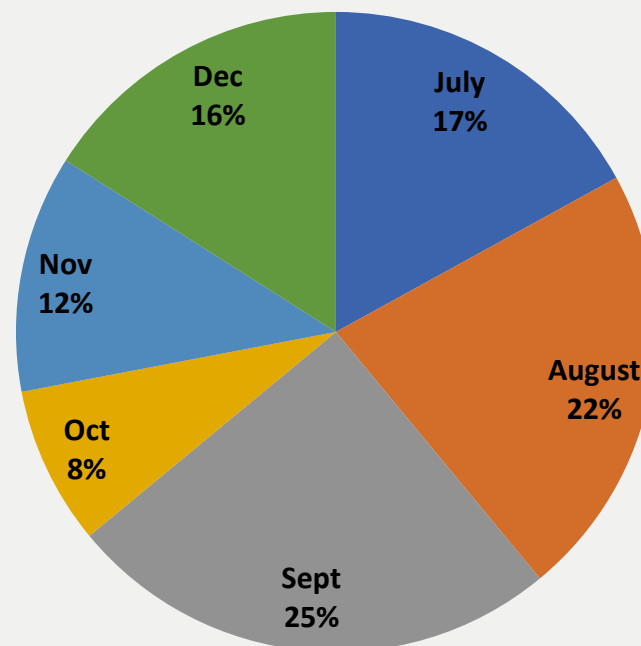
(C) 119:135

(D) 119:130

(E) None of these



Total number of mobile phone sold = 45000



| Month | Ratio |
|--------|-------|
| July | 8:7 |
| August | 4:5 |
| Sept | 3:2 |
| Oct | 7:5 |
| Nov | 7:8 |
| Dec | 7:9 |



Q.27:- If 35% of the mobile phone sold by company A during November were sold at a discount, how many mobile phone of company A during that month were sold without a discount?

यदि नवंबर के दौरान कंपनी A द्वारा बेचा गया 35% मोबाइल फोन एक डिस्काउंट पर बेचा गया, तो उस महीने के दौरान कंपनी A के कितने मोबाइल फोन बिना किसी डिस्काउंट के बेचे गए?

(A)882

(B)1635

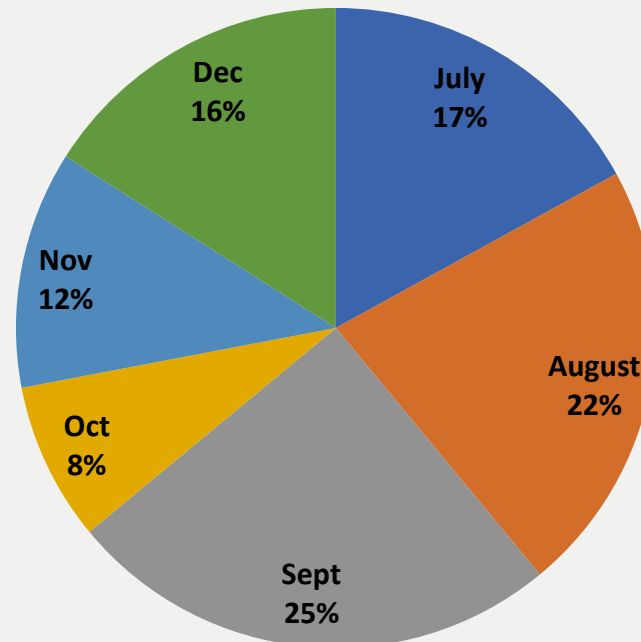
(C)1638

(D)885

(E)None of these



Total number of mobile phone sold = 45000



| Month | Ratio |
|--------|-------|
| July | 8:7 |
| August | 4:5 |
| Sept | 3:2 |
| Oct | 7:5 |
| Nov | 7:8 |
| Dec | 7:9 |

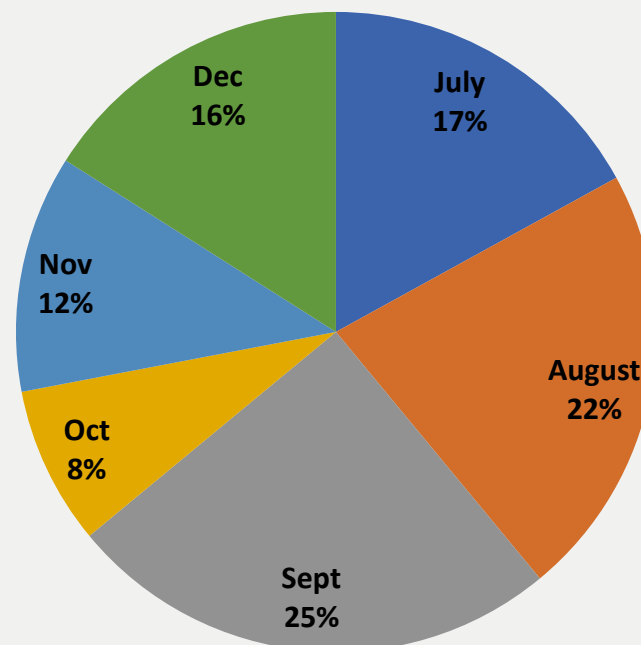
Q.28:- If the shopkeeper earned a profit of Rs. 433 on each mobile phone sold of company B during October what was his profit earned on the mobile phone of that company during the same month?

यदि दुकानदार ने अक्टूबर के दौरान कंपनी बी के बेचे गए प्रत्येक मोबाइल फोन पर 433रु का लाभ अर्जित किया, उसी महीने के दौरान उस कंपनी के मोबाइल फोन पर उसका लाभ क्या था?

- (A)Rs.649900 (B)Rs. 645900 (C)Rs.649400 (D)649500 (E)None of these



Total number of mobile phone sold = 45000



| Month | Ratio |
|--------|-------|
| July | 8:7 |
| August | 4:5 |
| Sept | 3:2 |
| Oct | 7:5 |
| Nov | 7:8 |
| Dec | 7:9 |

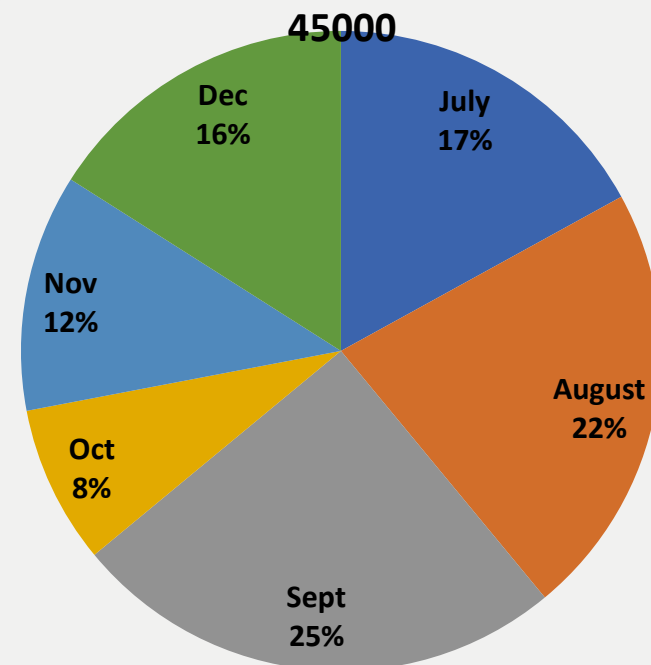
Q.29:- The number of mobile phones sold of company A during July is approximately what percent of the mobile phones sold of a company A during December ?

जुलाई के दौरान कंपनी A द्वारा बेचे गए मोबाइल फोन की संख्या दिसंबर के दौरान कंपनी A के कितने प्रतिशत मोबाइल बेचे गए?

- (A)110 (B)140 (C)150 (D)105 (E)None of these



Total number of mobile phone sold =



| Month | Ratio |
|--------|-------|
| July | 8:7 |
| August | 4:5 |
| Sept | 3:2 |
| Oct | 7:5 |
| Nov | 7:8 |
| Dec | 7:9 |



Q.30:- What is the total number of the mobile phones sold of company B during August and September together ?

अगस्त और सितंबर के दौरान कंपनी B द्वारा बेचे गए मोबाइल फोन की कुल संख्या कितनी है?

(A)10000

(B)15000

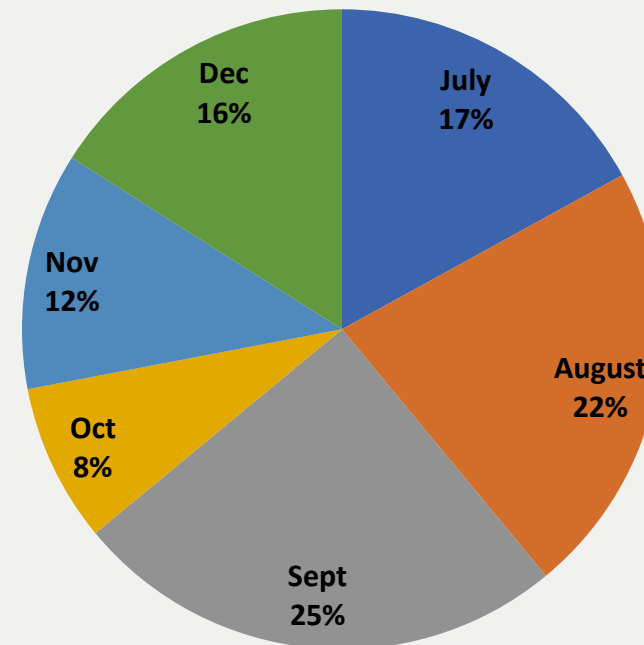
(C)10500

(D)9500

(E)None of these



Total number of mobile phone sold = 45000



| Month | Ratio |
|--------|-------|
| July | 8:7 |
| August | 4:5 |
| Sept | 3:2 |
| Oct | 7:5 |
| Nov | 7:8 |
| Dec | 7:9 |



What value should come in the place of question mark(?)in the following questions?

31. $\sqrt{576} + \sqrt{?} = \sqrt{1764}$

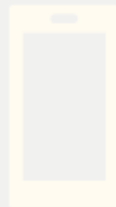
(A)256

(B)196

(C)676

(D)324

(E)484





What value should come in the place of question mark(?)in the following questions?

32. $253 \div 11 \times ? = 124 - 32$

(A) (B) (C) (D) (E)





What value should come in the place of question mark(a)in the following questions?

33. $42^2 + 4^2 - 484 = 6^a$

(A)4

(B)5

(C)2

(D)3

(E)1





What value should come in the place of question mark(?)in the following questions?

34. $3025 \div (?+17) = 11^2$

(A) 6

(B) 3

(C) 13

(D) 8

(E) 18





What value should come in the place of question mark(?)in the following questions?

$$31. 436 + 221 - 189 = - 231 + ?$$

(A)699

(B)789

(C)799

(D) 889

(E)899





What value should come in the place of question mark(?)in the following questions?

35. $?\% \text{ of } 450 + 1240 = 1600$

(A)40

(B) 80

(C)60

(D)72

(E)75





What value should come in the place of question mark(?)in the following questions?

36. $(428 - ?) \div 16 \times 25 = 300$

(A) 276

(B)324

(C)428

(D)272

(E)236





What value should come in the place of question mark(?)in the following questions?

37. $244.28 + 22.42 + ? = 300$

(A)42.13

(B)44.23

(C)33.3

(D)31.7

(E)46.44





What value should come in the place of question mark(?)in the following questions?

38. $1496 \div 17 = ?\% \text{ of } 220$

(A)25

(B)40

(C)50

(D) 75

(E)None of these





What value should come in the place of question mark(?)in the following questions?

39. $(0.05 \times 6.25) \div 2.5 = ?$

(A)12.55

(B)0.125

(C)0.115

(D)1.25

(E)None of these





What value should come in the place of question mark(?)in the following questions?

40. $(36\% \text{ of } 180) \div 0.4 = ?$

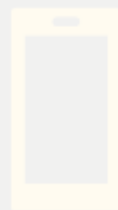
(A)160

(B)162

(C)164

(D)166

(E)180





What value should come in the place of question mark(?)in the following questions?

41. $0.08\% \text{ of } 55500 - 16.4 = ?$

(A)26.6

(B)28

(C)29.2

(D)30.4

(E)32





What value should come in the place of question mark(?)in the following questions?

42. $486 \div ? \times 7392 \div 66 = 1008$

(A)54

(B)55

(C)52

(D)53

(E)51





What value should come in the place of question mark(?)in the following questions?

43. $35\% \text{ of } 150 \times 16 = ? - 22$

(A)865

(B) 932

(C)864

(D)862

(E)None of these





What value should come in the place of question mark(?)in the following questions?

44. $(3080 + 6160) \div ? = 330$

(A)26

(B)22

(C)28

(D)29

(E)18





What value should come in the place of question mark(?)in the following questions?

45. $8.4\% \text{ of } 300 + 4.8\% \text{ of } ? = 102$

(A)1200

(B) 800

(C)600

(D)1800

(E)1600





What value should come in the place of question mark(?)in the following questions?

46. $734 + ? = 12.8 \times 64$

(A)80.2

(B)85.2

(C)89.5

(D)78.2

(E)84.8





What value should come in the place of question mark(?)in the following questions?

47. $145\% \text{ of } 180 + ?\% \text{ of } 180 = 19\% \text{ of } 900$

(A)180

(B)130

(C)150

(D)140

(E)120





What value should come in the place of question mark(?)in the following questions?

48. 40% of 50% of 60% of 1200 = ? + 5³

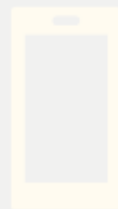
(A)21

(B)23

(C)24

(D) 19

(E)27





What value should come in the place of question mark(?)in the following questions?

49. $12\% \text{ of } 555 + 15\% \text{ of } 666 = ?$

(A)166.5

(B)167.5

(C) 168.5

(D) 169.5

(E)None of these





What value should come in the place of question mark(?)in the following questions?

50. $84368 + 65466 - 72009 - 13964 = ?$

(A) 61481

(B) 62921

(C) 63861

(D) 64241

(E) None of these





What value should come in the place of question mark(?)in the following questions?

51. $4376 + 3209 - 1784 + 97 = 3125 + ?$

(A)2713

(B) 2743

(C)2773

(D)2793

(E)2737





Mahendra's

FOR MORE DISCOUNT VISIT www.mahendras.org & USE PROMO CODE :

THANKS

