

If Rs. P is invested and the difference between compound interest and simple interest for 2 years is Rs. 320 at 8% rate of interest per annum. What is the value for P?

- A. 84000**
- B. 50000**
- C. 70000**
- D. 85000**
- E. 55000**

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The ratio of the efficiency of A, B, C and D is 4:5:6:7. If all of them together can finish a particular work in 10 days then in how many days C can do 20% of the work?

- A. 8.33 days**
- B. 33.33days**
- C. 7.33 days**
- D. 12.33days**
- E. 5.677 days**

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The ratio of the age of Mantra and Julie is 7 : 8. After 3 years the ratio of their age becomes 10:11 . Find the average of their age 6 years from now?

- A. 13.5 years**
- B. 21 years**
- C. 17.9 years**
- D. 12 years**
- E. 14.5 years**

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Shobi and Uday started a business. Shobi invested Rs. 30000 for 6 months and then half of their average capital for the next 6 months. Uday invested Rs. 50,000 for 6 months and then 1/4th of his initial capital for the next 6 months. At the end of the year, if the total profit earned is Rs. 135000, then find the difference of the profits of Shobi and Uday.

- A. Rs. 34000**
- B. Rs. 12500**
- C. Rs. 25000**
- D. Rs. 15000**
- E. None of these**



In a class of 85 students, 40 play cricket, 55 play football and 15 play both cricket and football.

How many students play only football?

- A. 30**
- B. 40**
- C. 50**
- D. 60**
- E. 55**

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In a class of 85 students, 40 play cricket, 55 play football and 15 play both cricket and football.

How many students play at least one game?

- A. 65**
- B. 90**
- C. 80**
- D. 75**
- E. 85**

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In a class of 85 students, 40 play cricket, 55 play football and 15 play both cricket and football.

How many students play only cricket?

- A. 30**
- B. 40**
- C. 25**
- D. 45**
- E. 50**

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In a class of 85 students, 40 play cricket, 55 play football and 15 play both cricket and football.

How many students play exactly one game?

- A. 80**
- B. 90**
- C. 75**
- D. 70**
- E. 65**

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In a class of 85 students, 40 play cricket, 55 play football and 15 play both cricket and football.

How many students play neither cricket nor football?

- A. 7**
- B. 10**
- C. 9**
- D. 4**
- E. 5**

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FIND THE APPROXIMATE VALUE

$$6 \frac{9.9}{10} \times 7 \frac{6.7}{7} \times 10 \frac{1}{23} = x$$

- A. 390
- B. 560
- C. 400
- D. 500
- E. 420

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FIND THE APPROXIMATE VALUE

$$9.9^2 + 21.9^2 = x^2 \times 6.02^2$$

- A. 8
- B. 10
- C. 4
- D. 12
- E. 16

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FIND THE APPROXIMATE VALUE

$$83.998 \times \frac{14.001}{6 \cdot 128} + 4^2 = x$$

- A. 300
- B. 210
- C. 400
- D. 560
- E. 870

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$$56.003 - \frac{649.76}{12.74} = \sqrt{x} + \frac{95}{18.86}$$

- A. 1
- B. 3
- C. 4
- D. 9
- E. 6

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$$\frac{13}{70} \times \left[\frac{28}{26} \div \frac{44}{143} \right] \div \frac{65}{50} = x$$

- A. 4.3
- B. 0.2
- C. 0.7
- D. 1.4
- E. 0.5

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Six cashiers, four POs, and two Managers went for a tour. Managers contributed Rs. 1000 each, POs Rs. 500 each and cashiers Rs. 200 each. What percentage of the total contribution did one Manager and one cashier together pay?

- A. 33.33%**
- B. 21.07%**
- C. 23.07%**
- D. 30%**
- E. 16.37%**

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A shopkeeper allows successive discounts of 10% and 20% to his customers and still gains 60%. Find the marked price of Apple per dozen which costs Rs. 90 per dozen to the vendor.

- A. Rs. 200**
- B. Rs. 160**
- C. Rs. 150**
- D. Rs. 175**
- E. Rs. 235**

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Amal and kamal are running in a circular track of circumference 200m with speed 10m/s and 8m/s respectively in the same direction. What is the difference between the time taken by them to meet for the first time ever and the time taken to meet for the first time at the starting point?

- A. 20 sec**
- B. 10 sec**
- C. 12 sec**
- D. 5 sec**
- E. None of these**

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A tank can be filled by two inlet pipes in 30 hours. If an outlet pipe is opened along with inlet pipes. the tank gets filled in 40 hours. The outlet pipe is opened just for 10 hours along with both inlet pipes and then the outlet pipe is closed. How much capacity of the tank will be remaining to be filled?

- A. $\frac{3}{4}$ th of the capacity**
- B. $\frac{4}{5}$ th of the capacity**
- C. $\frac{2}{3}$ th of the capacity**
- D. $\frac{1}{2}$ th of the capacity**
- E. $\frac{5}{6}$ th of the capacity**



If 60% of $(A - B) = 20%$ of $(A + B)$. If the value of C, which is 50% of A, is 500, then find the value of 'B'.

- A. 500**
- B. 550**
- C. 600**
- D. 700**
- E. None of the above**

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$$36\% \text{ of } 625 + 45\% \text{ of } 780 = x$$

- A. 639
- B. 559
- C. 576
- D. 799
- E. None of these

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55% of $(\frac{8800}{165} \times 12) = ?$

- A. 352
- B. 669
- C. 344
- D. 476
- E. None of these

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$$5\frac{2}{7} + 6\frac{2}{3} + 4\frac{1}{5} = ?$$

- A. $7\frac{2}{105}$
- B. $15\frac{4}{105}$
- C. $16\frac{16}{105}$
- D. $11\frac{11}{105}$
- E. None of these

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$$8.33\% \text{ of } 3660 / 14.28\% \text{ of } 3087 = x/1323 * (343)^{1/3}$$

- A. 135
- B. 160
- C. 100
- D. 189
- E. None of these

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$$81^3 \times 729 \div (1/3)^2 = 9^x$$

- A. 14
- B. 10
- C. 15
- D. 17
- E. 9

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$$267.3 + 76.52 - 88.61 - 9.20 - 62.01 = ?$$

- A. 178
- B. 201
- C. 184
- D. 198
- E. 165

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$$8^3 \times 4^4 \div 16^3 + x^2 - 1 = 16^2$$

- A. 55
- B. 225
- C. 15
- D. 25
- E. 8

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$$45 \times \frac{512}{64} + 65 = x$$

- A. 134
- B. 118
- C. 425
- D. 256
- E. 225

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$$24\% \text{ of } 250 + 25\% \text{ of } 80 = x - 196^{\frac{1}{2}} \% \text{ of } 900$$

- A. 663
- B. 223
- C. 143
- D. 206
- E. 905

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$$\sqrt{2.56} + \sqrt{5.29} + \sqrt{10.24} + \sqrt{1.44} = x$$

- A. 5.2
- B. 8.3
- C. 7.8
- D. 6.2
- E. 8.8

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9 13 77 117 425 525

- A. 9**
- B. 425**
- C. 117**
- D. 13**
- E. 425**

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25 33 41 49 57 66

- A. 25**
- B. 41**
- C. 57**
- D. 66**
- E. None of these**

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13 7 8 13.5 29 73 228

- A. 228
- B. 7
- C. 73
- D. 13.5
- E. 8

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57 69 84 96 110 114

- A. 110**
- B. 57**
- C. 114**
- D. 96**
- E. None of these**

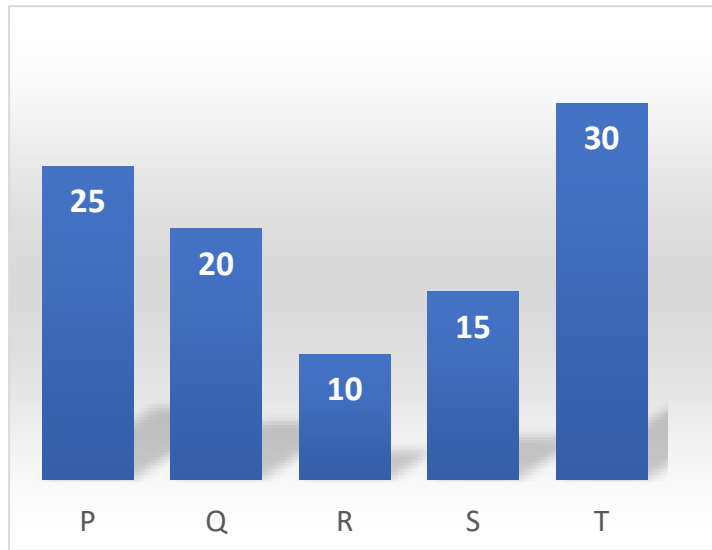
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300 301 328 453 796 1523 2856

- A. 301**
- B. 453**
- C. 2856**
- D. 1523**
- E. 796**

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The following graph shows the percentage break-up of sales of units of different products in 2019.

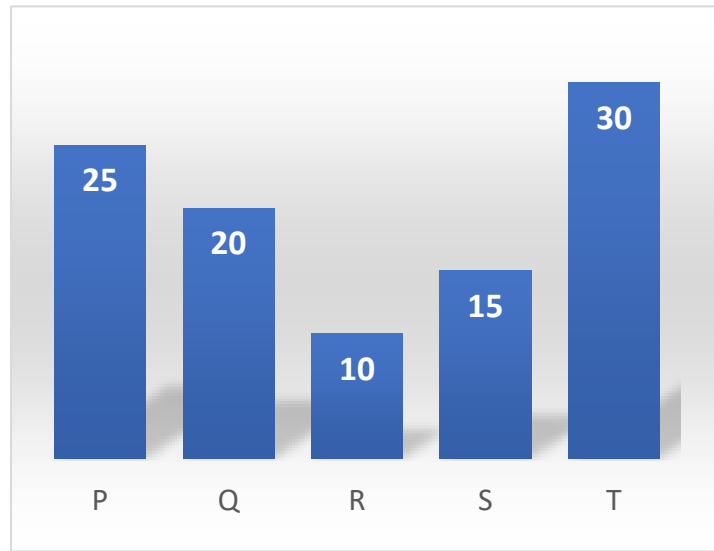


Note:

**The product P is sold at Rs.50/unit. The shopkeeper earns Rs.20000 from product P
How many units of product P were sold ?**

- A. 650**
- B. 350**
- C. 400**
- D. 500**
- E. 650**

The following graph shows the percentage break-up of sales of units of different products in 2019.



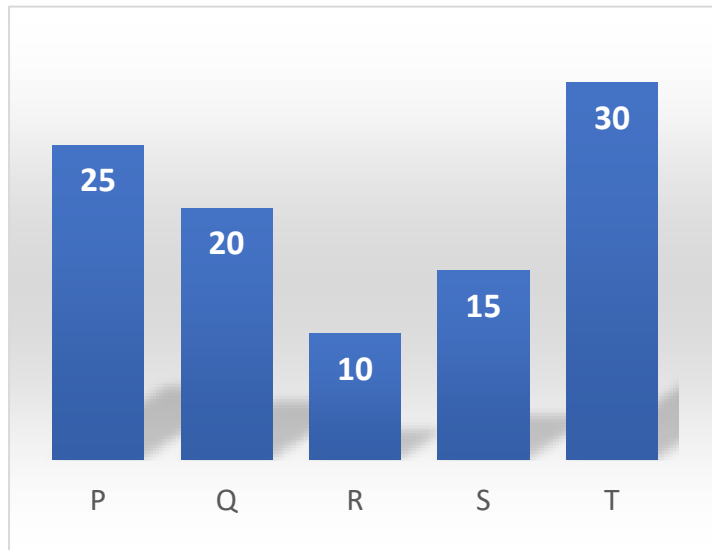
Note:

The product P is sold at Rs.50/unit. The shopkeeper earns Rs.20000 from product P

The shopkeeper made Rs. 40 profit on each unit of product Q. How much profit did the shopkeeper make?

- A. Rs. 12800**
- B. Rs. 19500**
- C. Rs. 19200**
- D. Rs. 12500**
- E. Rs. 14250**

The following graph shows the percentage break-up of sales of units of different products in 2019.

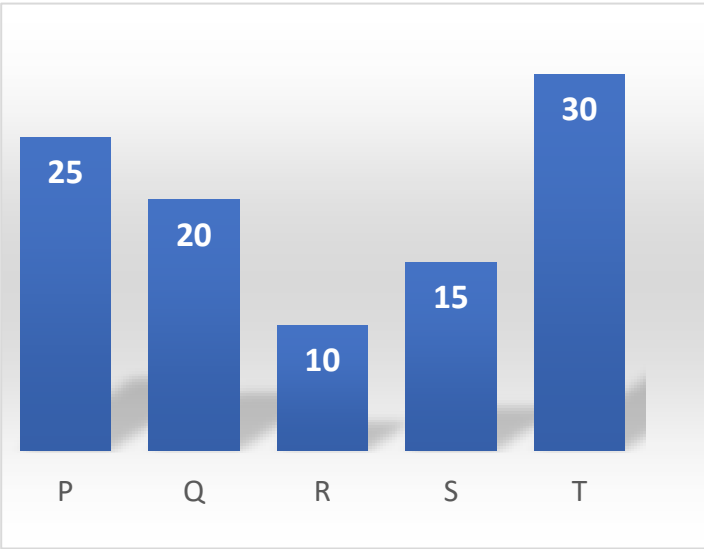


The product P is sold at Rs.50/unit. The shopkeeper earns Rs.20000 from product P

If 20% of the units of product S were damaged. The remaining units of product S were sold at Rs. 25/unit and the damaged ones were sold at Rs. 10/unit and the cost price of each unit of product S was Rs. 20. What was the profit/loss that the shopkeeper incurred?

- A. Rs. 440**
- B. Rs. 480**
- C. Rs. 580**
- D. Rs. 520**
- E. None of these**

The following graph shows the percentage break-up of sales of units of different products in 2019.

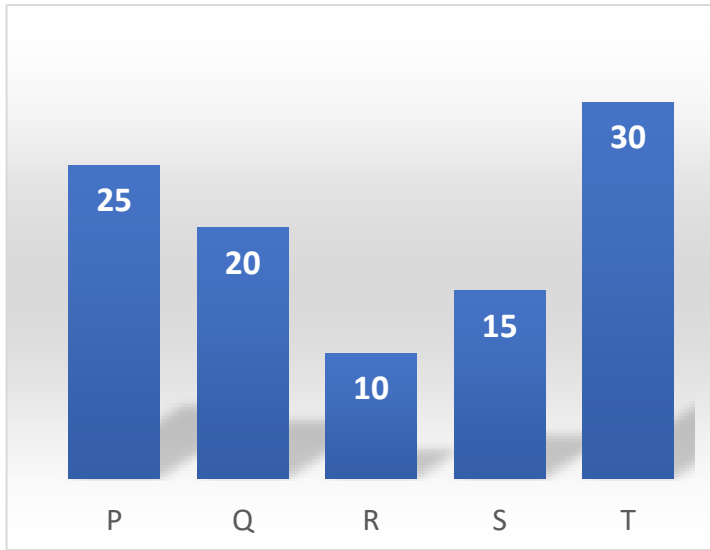


The product P is sold at Rs.50/unit. The shopkeeper earns Rs.20000 from product P

What is the ratio of the sales of product R to product T?

- A. 7:6
- B. 1:3
- C. 4:7
- D. 3:1
- E. None of these

The following graph shows the percentage break-up of sales of units of different products in 2019.



The product P is sold at Rs.50/unit. The shopkeeper earns Rs.20000 from product P

The shopkeeper bought the units of product T at a total of Rs. 7200. What should be the selling price per unit of the product so that he can make a profit of 40%?

- A. Rs. 15
- B. Rs. 24
- C. Rs. 21
- D. Rs. 34
- E. Rs. 33