MATHS

BOOKS - RS AGGARWAL MATHS (HINGLISH)

PROFIT AND LOSS

Example

1. A tricycle was purchased for ₹ 1120 and sold ₹ 1260 find the gain and gain per cent.

2. An article was bought for ₹400 and sold for ₹336. find the loss and loss per cent.

3. If the cost price of 6 pencils is equal to the selling price of 5 pencils, then the gain percent is 10% (b) 16.66% 15% (d) 25%

4. If the cost price of 15 pens is equal to the selling price of 20 pens, then the loss percent is 33.33% (b) 20% 15% (d) 18%

5. Find the SP of an article for which CP=₹650 and gain%=6%.

6. The C.P. of a chair is Rs 3300. If it is sold at a loss of 10%, then S.P is Rs 3000 (b) Rs 3070 Rs 2790 (d) Rs 2970

7. An almirah was bought for ₹14360 and ₹240 was spent on its transportation at what price should it be sold at a gain of 15%?

8. By selling a chair for $Rs1440,$ a trader gains 20%. Find the cost price of the chair.

    A. $Rs1100$

    B. $Rs1200$

    C. $Rs1400$

    D. $Rs1300$

Answer: B

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9. By selling a rickshaw for ₹9240, Banst loses 12% For how much should he sell it to gain 12%?

A. 13760

B. 12760

C. Rs. 11760

D. 21760

Answer: C

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10. An electrician sells a room heater for ₹3220, gaining $\dfrac{1}{6}$ of its cost price. Find his gain per cent

11. A man sold two radias at ₹4800 each. On one he gains 20% and on the other he loses 20%.Find the gain or loss per cent in the whole transaction.

12. A watch when sold at a profit of 6% yields ₹870 more than when it is sold at a loss of 6%. Find the cost price of the watch.

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13. If the manufacturer gains 6% the wholesale dealer 8% and the retailer10% then what is the producation cost of the geyser br ₹15741.

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1. Find the SP when: (i) CP=Rs. 950, gain = 6%

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2. Find the gains or loss per cent when: (1)CP=₹2400 and SP =2592 (2)CP= ₹1650 and ₹1452 (3) CP =₹12000 and SP =₹12800 (4) CP= ₹1800 and SP =₹1611

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3. Find the CP when:

(1) SP =₹924, gain =10%

(2) SP₹ 1755, gain=12.1/2%

(3) SP=8510, loss=8%

(4) SP=₹5600, loss=6. $\left(\dfrac{2}{3}\right)$

4. Sudhir bought an almirah for ₹ 13600 and spent ₹ 400 on its transportation he sold it for ₹ 16800 find his gain per cent

A. 20 %

B. 30 %

C. 40 %

D. 25 %

Answer: A

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5. Ravi purchased an old house for ₹ 765000 and spent ₹ 115000 on its repairs then he sold it at again of 5% profit. how much did he get

6. A vendor buys oranges at Rs 26 per dozen and sells them at 5 for Rs 13. Find his gain percent.

7. If the selling price of 4 articles is equal to the cost price of 5 articles, find the gain percent,

8. the selling price of 16 spoons is equal to the cost price of 15 spoons find the loss per cent

9. manoj purchased a video for ₹ 12000 he sold it to rahul at a gain of 10% if rahul sells it to rakesh at a loss of 5% what did rekash pay for it?

10. on selling a sofa-set for ₹ 21600 a dealer gains 8% for how much did he purchase it ?

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11. on selling a watch for ₹ 11400 a shopkeeper loses 5% for how much did he purchase it?

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12. On selling a watch for ₹1325, a man gains 6% for how much should he sell it to gain 12%?

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13. On selling a computer for Rs 24480 a dealer loses 4% .For how much should he sell it to gain 4%?

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14. A tricycle is sold at a gain of 15 %. Had it been sold for ₹108 more, the profit would have been 20 %. Find its cost price.

A. 2160

B. 2000

C. 2100

D. 2560

Answer: A

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15. sandeep sold a television at a loss of 8%. If he had sold for ₹ 3360 more. He would have gained 6% for how much did sandeep buy it?

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16. pamkaj sells two cycles for ₹2376 each. On one he gains 10% and on the other he loses 10%. Find his gain and lose pper cent.

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17. On selling an exhaust fan for ₹ 7350. a man gains $\dfrac{1}{6}$ of its cost price. Find the cost price of the fan.

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18. Mohit sold a watch to Karim at a gain of 10% and Karim sold it to Rahim at a gain of 4%. If Rahim pays Rs14300 for it,for how much did Mohit purchase it?

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19. if the manufacture gains 10% the wholesale dealer 15% and the retailer 25% then what is the production cost of a washing machine whose retails price is ₹37950?

A. 26, 000

B. 20, 000

C. 24, 000

D. 21, 000

Answer: C

20. Mr. Mehta purchase a video for ₹20000 and a television for ₹30000. On the videos he lost 5% and on the television he gained 8%. Find his total gains or loss per cent.

21. By Selling 36 oranges, a vendor suffers a loss equal to the selling price of 4 oranges. Find his loss per cent.

A. 10 %

B. 20 %

C. 15 %

D. 30 %

Answer: A

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22. By selling 8 dozen pencils, a shopkeeper gains the selling price of one dozen pencils. Find his gain per cent.

Exercise 11 B

1. A man buys a books for ₹ 80 and sells for ₹ 100. His gains% is

A. 2%

B. 25%

C. 120%

D. 125%

Answer: B

2. A football is bought for ₹120 and sold for ₹105. The loss % is

A. $\dfrac{25}{2}$ %

B. $14\dfrac{2}{7}$ %

C. $\dfrac{16.2}{3}$ %

D. $\dfrac{13.1}{3}$ %

Answer: A

3. On selling a bat for ₹ 100, a man gains ₹20.

His gain% is

    A. 20%

    B. 0.2%

    C. 25%

    D. 22%

Answer: C

4. On selling a racket for $Rs198$, a shopkeeper gains 10%. The cost price of the racket is

A. $Rs220$

B. $Rs178.2$

C. $Rs217.8$

D. $Rs180$

Answer: D

5. On selling a jug for ₹ 144, a man loses $\dfrac{1}{7}$ of his outlay. If it is sold for ₹ 189, what is the gain%?

A. $12.5\ \%$

B. $25\ \%$

C. $30\ \%$

D. $50\ \%$

Answer: A

6. On selling a pen for Rs 48, a shopkeeper loses 20%. In order to gain 20% what should be the selling price?

A. ₹52

B. ₹56

C. ₹68

D. ₹70

Answer: D

7. If the cost price of 12 pencils is equal to the selling price of 15 pencils then find the loss% is

A. 20 %

B. 25 %

C. 3 %

D. $16\dfrac{2}{3}$ %

Answer: A

8. If the cost price of 4 toffees be equal to the selling price of 3 toffees then the gain% is

A. $25\ \%$

B. $30\ \%$

C. $16\dfrac{2}{3}\ \%$

D. $\dfrac{37.1}{3}\ \%$

Answer: A

9. On selling an article for Rs 144 a man loses 10%. At what price should he sell it to gain 10%? Rs 158.40 (b) Rs 172.80 Rs 174.4 (d) Rs 192

A. ₹158.40

B. ₹172.80

C. ₹174.4

D. ₹192

Answer: C

10. A vendor bought lemons at 6 for a rupee and sold them at 4 for a rupee. His gain% is:

A. $50\ \%$

B. $40\ \%$

C. $33\ \%$

D. $16\dfrac{2}{3}\ \%$

Answer: A

11. On selling a chair for ₹720, a man gains 20%. The cost price of the chair is

    A. ₹864

    B. ₹600

    C. ₹650

    D. ₹620

Answer: B

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12. On selling a plastic chair for $Rs.$ 630, a man

loses 10% , the cost price of the chair is :

    A. ₹567

    B. ₹700

    C. ₹720

    D. ₹730

Answer: B

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Test Paper

1. By selling a chair for ₹1375 a man gains 10%. Find its cost price.

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2. If the selling price of 10 pens is equal to cost price of 14 pens, find the gain percent.

3. On selling fan for ₹2585 a man gains $\dfrac{1}{10}$ of its cost price. Find the cost price of the fan.

    A. Rs. 2550

    B. Rs. 2450

    C. Rs. 2350

D. Rs. 2650

Answer: C

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4. A man buys lemons at 6 for ₹ 10 sells at 8 for

₹15. Find his gain per cent.

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5. On selling a bat for ₹ 486 a man loses 10%. Find the cost price of the bat.

6. On selling a pen for Rs 100, a shopkeeper gains Rs 15. The cost price of the pen is

    A. ₹115

    B. ₹75

    C. ₹85

D. ₹130

Answer: C

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7. On selling a jug for ₹ 168, man loses $\frac{1}{7}$ of his outlay. The cost price of the jug is

    A. ₹144

    B. ₹192

    C. ₹196

D. ₹172

Answer: C

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8. If the cost price of 5 bananas be equal to the selling price of 3 bananas, then gain per cent is

A. $\dfrac{33.1}{3}\ \%$

B. $15\ \%$

C. 50 %

D. 40 %

Answer: D

9. Fill in the blanks.

(1) $loss = (CP) - (\text{.......}).$

(2) $CP = 100 \cdot S\dfrac{P}{\text{......} + \text{.....}}$

(3) Profit or loss is always reckond on ....

(4) $\dfrac{100}{100 - loss\,\%} \cdot SP = \text{.......}.$

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