MATHS

BOOKS - UNITED BOOK HOUSE

Partnership Business

Exercise

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1. Multiple Choice questions (MCQ) If ₹ x, ₹y and ₹ z are invested for the time t_1 years, t_2

years t_3 years respectively, then the total profit will be distributed in the ratio

A. $xt_1 : 2yt_2 : 3zt_3$

B. $\dfrac{x}{t_1} : \dfrac{y}{t_2} : \dfrac{z}{t_3}$

C. $xt_1 : yt_2 : zt_3$

D. none of these.

Answer:

2. In a joint business, the capital of three friends are ₹ 4800, ₹ 3600 and ₹ 6000. If the capitals are invested for same time, then the ratio of their profit is

    A. 2 : 3 : 5

    B. 4 : 3 : 5

    C. 3 : 4 : 5

    D. 5 : 4 : 3.

Answer:

3. Sriza and Riza jointly start a business with ₹ 12,000 and ₹ 8,000. At the end of the year Sriza gets ₹ 1800 as profit. As a part of profit Riza will get

    A. ₹ 1200

    B. ₹ 1000

    C. ₹ 900

    D. ₹ 800.

Answer:

4. Kunal and Probal starts a business with ₹ 72,000 and ₹ 48,000. After one year if Kunal suffer a loss of ₹ 4500 in business then the loss of Probal is

    A. ₹ 3250

    B. ₹ 3500

    C. ₹ 3000

D. ₹ 4500.

Answer:

5. Aparna, Arpita and Upama start a business with ₹ 14,400. After 1 year Aparna, Arpita and Upama get ₹ 120, ₹ 180 and ₹240 as profit. Upama invest the amount

A. ₹ 3200

B. ₹ 3500

C. ₹ 6400

D. ₹ 4500.

Answer:

6. In a joint business the ratio of the capitals of three partners is 9 : 7 : 3. If the profit in the business is ₹ 5700 then the profit share of 1 st person is

A. ₹ 3000

B. ₹ 900

C. ₹ 2700

D. ₹ 2100.

Answer:

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7. Dibyendu and Subhendu invest ₹ 6000 and ₹5000 respectively. Dibyendu invests for 5 months and Subhendu invests for 9 months. In

this business the part of profit will be distributed among them in the ratio

A. 6 : 5

B. 5 : 6

C. 3 : 2

D. 2 : 3.

Answer:

8. Gopal started a business with Rs. 3000. After 6 months Dinesh also joined him with Rs. 2000. If at the end of the year the profit is Rs. 2600. What is the share of Dinesh in the profit ?

   A. ₹ 1000

   B. ₹ 750

   C. ₹ 650

   D. ₹ none of these.

Answer:

9. In a joint business the ratio of the capital of three partners is 1/x : 1/y : 1/z (where x, y, z are co-prime). If the profit of the business is ₹ P, then the profit share of 2nd person is

A. ₹ $\dfrac{pzx}{(xy + yz + zx)}$

B. ₹ $\dfrac{pxy}{(xy + yz + zx)}$

C. ₹ $\dfrac{pyz}{(xy + yz + zx)}$

D. ₹ $\dfrac{pxyz}{(x + y + z)}$.

Answer:

10. In a joint business Kalu invests ₹ 60,000 for 9 months and Viki invests ₹ 80,000 for some months. They get ₹ 18,000 and ₹16,000 respectively as profit. In this business, the investment of Viki was for

A. 5 months

B. 6 months

C. 7 months

D. 8 months.

Answer:

11. A sum of ₹ 370 is to be divided among A, B and C such that A's Share/B's Share = B's Share/C's Share = 3/4. A's share (in rupees) is____

A. 240

B. 120

C. 100

D. 90

Answer:

12. A sum of money is to be distributed among

A, B, C and D in the proprotion of 5 : 2 : 4 : 3. If

C gats ₹. 1000 more than D, what is B's share?

A. ₹ 500

B. ₹ 1500

C. ₹ 2000

D. None of these

Answer:

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13. If the three investments be in ratio a : b : c

and their duration for their investments be in

the ratio x : y : z, then the profit would be

distributed in the ratio____

A. a/c : b/y : c/z

B. x/a : y/b : z/c

C. ax : by : cz

D. None of these

Answer:

14. If the investments are in the ratio x : y : z and the profit in the ratio P : Q : R, then the ratio of periods of the investments is____

    A. x/P : y/Q : z/R

    B. P/x : Q/y : R/z

    C. Px : Qy : Rz

    D. N.O.T.

Answer:

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15. Four milkmen rented a pasture. A grazed 24 cows for 3 months, B 10 for 5 months, C 35 cows for 4 months and D 21 cows for 3 months. If A's share of rent is ₹ 720, find the total rent of the firld___

   A. ₹ 3250

   B. ₹ 3750

   C. ₹ 3500

   D. ₹ 3000

Answer:

16. A, B and C start a business each investing ₹ 20,000. After 5 months A withdrew ₹ 6000, B withdrew ₹ 4000 and C invests ₹ 6000 more. At the end of the year, a total profit of ₹ 69900 was recorded find the share of each___

A. 28200, 21200, 20500

B. 20500, 28200, 21200

C. 21200, 20500, 28200

D. 20500, 21200, 28200

Answer:

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17. A starts a business with ₹ 40,000. After 2 months, B joined him with ₹ 60,000. C joined with them after some more time with ₹ 1,20,000. At the end of the year out of a total profit of ₹ 3,7500, c gets ₹ 1,50,000 as his

share. How many months after B joined the business did C join?

A. 5 months

B. 4 months

C. 7 months

D. 6 months

Answer:

18. A invested ₹ 76,000 in a business. After few months, B joined him ₹ 57,000. At the end of the year, the total profit was divided between then in the 2 : 1. After how many months did B join?

A. 4 months

B. 2 months

C. 3 months

D. 5 months

Answer:

19. Kamal started a business with ₹ 25000 and after 4 months. Kiran joined him with ₹ 60,000. Kamal received ₹ 58000 including 10% of profit as commission for managing the business. What amount did Kiran receive?

A. ₹ 70000

B. ₹ 75000

C. ₹ 72000

D. ₹ 78000

Answer:

20. A and B invest in a business in the ratio 3 : 2. Assume that 5% of the total profit goes to charity. If A's share is ₹ 855. What is the total profit?

A. ₹ 1600

B. ₹ 1500

C. ₹ 1400

D. ₹ 1200

Answer:

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21. A, B and C enter into a partnership by investing in the ratio of 3 : 2 : 4, After 1 year, B invests anothor ₹ 2,70,000 and C at the end of 2 years, also invests ₹ 270,000. At the end of

three years, profits are shared in the ratio 3 : 4 : 5. Find initial investment of each____

    A. 180000, 360000, 270000

    B. 270000, 180000, 360000

    C. 180000, 270000, 360000

    D. 270000, 180000, 360000

Answer:

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22. A, B and C enter into a partnership. A invests 3 times as much as B and B invests two third of what C invests. At the end of the year, the profit earned is ₹ 6600. What is the share of B?

    A. ₹ 1500

    B. ₹ 1200

    C. ₹ 1000

    D. ₹ 800

Answer:

23. X starts a business with ₹ 45000. Y joins in the business after 3 months with ₹ 30000. What will be the ratio in which they should share the profit at the end of the year?

A. 1 : 3

B. 2 : 1

C. 3 : 1

D. 1 : 2

Answer:

24. A starts business with ₹ 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?

A. ₹ 7500

B. ₹ 9000

C. ₹ 8000

D. ₹ 8500

Answer:

25. Three partners A, B and C shared the profit the profit in a software business in the ratio 5 : 7 : 8. They had partnered for 14 months, 8 months and 7 months respectively. Find the ratio of their investments?

A. 20 : 49 : 64

B. 20 : 49 : 65

C. 19 : 49 : 65

D. 5 : 4 : 4

Answer:

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26. Arun, Kamal and Vinay invested ₹ 8000, ₹ 4000 and ₹ 8000 respectively in a business. Arun left after six months. If after eight

months, there was a gain of ₹ 4005, then what will be the share of Kamal?

A. ₹ 1335

B. ₹ 890

C. ₹ 160

D. ₹ 1780

Answer:

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27. If 4(P's capital) = 6(Q's capital) =10 (R's capital). Then out of the total profit of ₹ 4650, R will receive____

    A. ₹ 700

    B. ₹ 800

    C. ₹ 900

    D. N.O.T.

Answer:

28. A, B, C hired a car for ₹ 520 and used it for 7, 8 and 11 hours respectively. Hire charges paid by B were_____

A. ₹ 140

B. ₹ 180

C. ₹ 220

D. ₹ 160

Answer:

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29. Rahul and Bharati are partners in a business. Rahul contributes 1/4th capital for 15 months and Bharati received 2/3 rd of profit. For how long Bharati money was used?

    A. 8 months

    B. 10 months

    C. 11 months

    D. 17 months

Answer:

30. X and Y invested in a business. They earned some profit which they divided in the ratio of 2 : 3. If X invested ₹ 40 K, the amount invested by Y is____

    A. ₹ 45 K

    B. ₹ 50 K

    C. ₹ 60 K

    D. ₹ 80 K

Answer:

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