Practice Questions for Partnership

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| Question | A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is $ 855, the total profit is: |
| Option A | $ 1425 |
| Option B | $ 1537.50 |
| Option C | $ 1500 |
| Option D | $ 1576 |
| Answer | Option C |
| Explanation | Let the total profit be $ 100.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | After paying to charity, A's share = $ | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 95 x | 3 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = $ 57. | | 5 |   If A's share is $ 57, total profit = $ 100.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | If A's share $ 855, total profit = | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 100 | x 855 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = 1500. | | 57 | |

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| Question | A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest $ 6500 for 6 months, B, $ 8400 for 5 months and C, $ 10,000 for 3 months. A wants to be the working member for which, he was to receive 5% of the profits. The profit earned was $ 7400. Calculate the share of B in the profit. |
| Option A | $ 1900 |
| Option B | $ 2000 |
| Option C | $ 2660 |
| Option D | $ 2840 |
| Answer | Option C |
| Explanation | For managing, A received = 5% of $ 7400 = $ 370.  Balance = $ (7400 - 370) = $ 7030.  Ratio of their investments = (6500 x 6) : (8400 x 5) : (10000 x 3)     = 39000 : 42000 : 30000     = 13 : 14 : 10   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | http://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif B's share = $ | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 7030 x | 14 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = $ 2660. | | 37 | |

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| Question | A, B, C subscribe $ 50,000 for a business. A subscribes $ 4000 more than B and B $ 5000 more than C. Out of a total profit of $ 35,000, A receives: |
| Option A | $ 8400 |
| Option B | $ 11900 |
| Option C | $ 13000 |
| Option D | $ 14700 |
| Answer | Option D |
| Explanation | Let C = *x*.  Then, B = *x* + 5000 and A = *x* + 5000 + 4000 = *x* + 9000.  So, *x* + *x* + 5000 + *x* + 9000 = 50000  http://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif 3*x* = 36000  http://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif *x* = 12000  A : B : C = 21000 : 17000 : 12000 = 21 : 17 : 12.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | http://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif A's share = $ | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 35000 x | 21 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = $ 14,700. | | 50 | |

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| Question | Three partners shared the profit in a business in the ratio 5 : 7 : 8. They had partnered for 14 months, 8 months and 7 months respectively. What was the ratio of their investments? |
| Option A | 5:7:8 |
| Option B | 20 : 49 : 64 |
| Option C | 38 : 28 : 21 |
| Option D | None of these |
| Answer | Option B |
| Explanation | Let their investments be $ *x* for 14 months, $ *y* for 8 months and $ *z* for 7 months respectively.  Then, 14*x* : 8*y* : 7*z* = 5 : 7 : 8.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Now, | 14*x* | = | 5 | http://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    98*x* = 40*y*    http://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    *y* = | 49 | *x* | | 8*y* | 7 | 20 |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | And, | 14*x* | = | 5 | http://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    112*x* = 35*z*    http://www.indiabix.com/_files/images/aptitude/1-sym-bim.gif    *z* = | 112 | *x* = | 16 | *x*. | | 7*z* | 8 | 35 | 5 |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | http://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif *x* : *y* : *z* = *x* : | 49 | *x* | : | 16 | *x* | = 20 : 49 : 64. | | 20 | 5 | |

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| Question | 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? |
| Option A | $ 7500 |
| Option B | $ 8000 |
| Option C | $ 8500 |
| Option D | $ 9000 |
| Answer | Option D |
| Explanation | Let B's capital be $ *x*.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Then, | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 3500 x 12 | = | 2 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | 7*x* | 3 |   http://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif 14*x* = 126000  http://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif *x* = 9000. |

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| Question | A and B started a partnership business investing some amount in the ratio of 3 : 5. C joined then after six months with an amount equal to that of B. In what proportion should the profit at the end of one year be distributed among A, B and C? |
| Option A | 3 : 5 : 2 |
| Option B | 3 : 5 : 5 |
| Option C | 6 : 10 : 5 |
| Option D | 4 : 5 : 2 |
| Answer | Option C |
| Explanation | Let the initial investments of A and B be 3*x* and 5*x*.  A : B : C = (3*x* x 12) : (5*x* x 12) : (5*x* x 6) = 36 : 60 : 30 = 6 : 10 : 5. |

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| Question | A and B started a business in partnership investing $ 20,000 and $ 15,000 respectively. After six months, C joined them with $ 20,000. What will be B's share in total profit of $ 25,000 earned at the end of 2 years from the starting of the business? |
| Option A | $ 7500 |
| Option B | $ 9000 |
| Option C | $ 9500 |
| Option D | $ 10000 |
| Answer | Option **A** |
| Explanation | A : B : C = (20,000 x 24) : (15,000 x 24) : (20,000 x 18) = 4 : 3 : 3.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | http://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif B's share = $ | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 25000 x | 3 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = $ 7,500. | | 10 | |

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| Question | P and Q started a business investing $85,000 and $15,000 respectively. In what ratio the profit earned after 2 years be divided between P and Q respectively? |
| Option A | 3 : 4 |
| Option B | 3 : 5 |
| Option C | 15 : 23 |
| Option D | 17 : 3 |
| Answer | Option D |
| Explanation | |  | | --- | | P : Q = 85000 : 15000 | | =85 : 15 | | =17 : 3 | |

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| Question | Sam and Jack started a business investing $22,500 and $35,000 respectively. Out of a total profit of $ 13,800. Jack's share is |
| Option A | $ 5400 |
| Option B | $ 7200 |
| Option C | $ 8400 |
| Option D | $ 9600 |
| Answer | Option C |
| Explanation | |  |  | | --- | --- | | **Ratio of their shares** | = 22500 : 35000 | | =9 : 14. | | **Jack's share** | = $(13800**×**14/23) | | = $ 8400. | |

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| Question | Rebakah, Haley and Juely invested $8000, $4000 and $8000 respectively in a business. Juely left after six months .If after eight months, there was a gain of $4005, then what will be the share of Haley? |
| Option A | $ 1892 |
| Option B | $ 1890 |
| Option C | $ 1602 |
| Option D | $ 1780 |
| Answer | Option B |
| Explanation | |  |  | | --- | --- | | **Rebakah : Haley : Juely** | =(8000×6):(4000×8):(8000×8) | | = 48 : 32 : 64 | | = 3 : 2 : 4. | | **Haley's share** | = $4005×2/9) | | = $890. | |

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| Question | A started a business with $21,000 and is joined afterwards by B with $36,000. After how many months did B join if the profits at the end of the year are divided equally? |
| Option A | 3 |
| Option B | 4 |
| Option C | 5 |
| Option D | 6 |
| Answer | Option B |
| Explanation | |  |  | | --- | --- | | Suppose B joined after x months. | | | **Then,** | 21000×12=36000×(12 - x) | | **‹=›**36x=180 | | = x= 5. | |

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| Question | X and Y invested in a business. They earned some profit which they divided in the ratio of 2 : 3. If X invested $40,000. the amount invested by Y is |
| Option A | $ 45000 |
| Option B | $ 50000 |
| Option C | $ 60000 |
| Option D | $ 65000 |
| Answer | Option C |
| Explanation | |  |  | | --- | --- | | Suppose Y invested $y | | | **Then,** | 40000 /y = 2 / 3 | | **‹=›** y=(40000×3 / 2). | | **‹=› y=60000**. | |

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| Question | A, B, C rent a pasture. A puts 10 oxen for 7 months, B puts 12 oxen for 5 months and C puts 15 oxen for 3 months for grazing. If the rent of the pasture is $ 175, how much must C pay as his share of rent? |
| Option A | $ 45 |
| Option B | $ 50 |
| Option C | $ 55 |
| Option D | $ 60 |
| Answer | Option A |
| Explanation | |  |  | | --- | --- | | **A : B : C** | =(10×7):(12×5):(15×3) | | = 70 :60 :45 | | = 14 :12 :9 | | **c's rent** | =$(175×9/35) | | = $45. | |

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| Question | Lord Tyrion started a software business by investing $ 50,000. After six months, Lord Tivion joined her with a capital of $ 80,000. After 3 years, they earned a profit of $ 24,500. What was Lord Tyrion's share in the profit? |
| Option A | $ 9423 |
| Option B | $ 10250 |
| Option C | $ 12500 |
| Option D | $ 10500 |
| Answer | Option D |
| Explanation | Lord Tyrion : Lord Tivion = (50000 x 36) : (80000 x 30) = 3 : 4.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | http://www.indiabix.com/_files/images/aptitude/1-sym-tfr.gif Lord Tyrion's share = $ | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 24500 x | 3 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = $ 10,500. | | 7 | |

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| Question | A began a business with $ 85,000. He was joined afterwards by B with $ 42,500. For how much period does B join, if the profits at the end of the year are divided in the ratio of 3 : 1? |
| Option A | 4 months |
| Option B | 5 months |
| Option C | 6 months |
| Option D | 8 months |
| Answer | Option D |
| Explanation | Suppose B joined for *x* months. Then,   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Then, | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 85000 x 12 | = | 3 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | 42500 x *x* | 1 |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | http://www.indiabix.com/_files/images/aptitude/1-sym-imp.gif *x* = | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | 85000 x 12 | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | = 8. | | 42500 x 3 |   So, B joined for 8 months. |