SOLUTIONS TO EXERCISES

EXERCISE 21-1 (15–20 minutes)

- (a) This is a finance lease to Adams since the lease term (5 years) is greater than 75% of the economic life (6 years) of the leased asset. The lease term is a major part $[83^{1}/_{3}\% (5 \div 6)]$ of the asset's economic life.
- (b) Computation of present value of minimum lease payments: \$9,968 X 4.16986* = \$41,565

*Present value of an annuity due of 1 for 5 periods at 10%.

(c)	1/1/15	Leased EquipmentLease Liability	41,565	41,565
		Lease Liability Cash	9,968	9,968
	12/31/15	Depreciation Expense Accumulated Depreciation— Leased Equipment	8,313	
		$($41,565 \div 5 = $8,313)$		8,313
		Interest ExpenseInterest Payable	3,160	
		[(\$41,565 – \$9,968) X .10]		3,160
	1/1/16	Lease Liability	6,808	
		Interest Payable	3,160	
		Cash		9,968

EXERCISE 21-2 (20-25 minutes)

- (a) To Brecker, the lessee, this lease is a finance lease because the terms satisfy the following criteria:
 - 1. The lease term is greater than 75% of the economic life of the leased asset; that is, the lease term is $83^{1}/_{3}$ % (50/60) of the economic life.
 - 2. The present value of the minimum lease payments is greater than 90% of the fair value of the leased asset; that is, the present value of €10,515 (see below) amounts to substantially all (96%) of the fair value of the leased asset:
- (b) The minimum lease payments in the case of a guaranteed residual value by the lessee include the guaranteed residual value. The present value therefore is:

	Monthly payment of €250 for 50 months Residual value of €1,180 Present value of minimum lease payments		€ 9,800 715 €10,515
(c)	Leased EquipmentLease Liability	10,515	10,515
(d)	Depreciation Expense	186.70	186.70
(e)	Lease LiabilityInterest Expense (1% X €10,515)	144.85 105.15	250.00

EXERCISE 21-3 (20-30 minutes)

Capitalized amount of the lease:

Yearly payment	€90,000.00
Executory costs	(3,088.14)
Minimum annual lease payment	€86,911.86

EXERCISE 21-3 (Continued)

1/1/15	Leased BuildingLease Liability	550,000.00	550,000.00
1/1/15	Property Tax Expense Lease Liability Cash	3,088.14 86,911.86	90,000.00
12/31/15	Depreciation Expense Accumulated Depreciation— Leased Building (€550,000 ÷ 10)	55,000.00	55,000.00
12/31/15	Interest Expense (See Schedule 1)Interest Payable	55,570.58	55,570.58
1/1/16	Property Tax Expense Interest Payable Lease Liability Cash	3,088.14 55,570.58 31,341.28	90,000.00
12/31/16	Depreciation Expense Accumulated Depreciation— Leased Building	55,000.00	55,000.00
12/31/16	Interest ExpenseInterest Payable	51,809.62	51,809.62

EXERCISE 21-3 (Continued)

Schedule 1

STORA ENSO CORP. Lease Amortization Schedule (Lessee)

Date	Annual Payment Less Executory Costs		st (12%) ability	Reduction of Lease Liability	Lease Liability
1/1/15					€550,000.00
1/1/15	€86,911.86	€	0	€86,911.86	463,088.14
1/1/16	86,911.86	55,5	70.58	31,341.28	431,746.86
1/1/17	86,911.86	51,8	09.62	35,102.24	396,644.62

EXERCISE 21-4 (20–25 minutes)

Computation of annual payments

Cost (fair value) of leased asset to lessor£240,000.00

Less: Present value of residual value

(residual value in this case)

£16,000 X .82645

Two periodic lease payments £226,776.80 ÷ 1.73554* <u>£130,666.42</u>

KRAUSS LEASING COMPANY (Lessor) Lease Amortization Schedule

Date	Annual Payment Less Executory Costs	Interest on Lease Receivable	Recovery of Lease Receivable	Lease Receivable
1/1/15				£240,000.00
12/31/15	£130,666.42	£24,000.00	£106,666.42	133,333.58
12/31/16	130,666.42	13,332.84* £37,332.84	117,333.58	16,000.00

^{*}Difference of £.52 due to rounding.

^{*}Present value of an ordinary annuity of 1 for 2 periods at 10%

EXERCISE 21-4 (Continued)

(a)	1/1/15	Lease Receivable Equipment	240,000.00	240,000.00
	12/31/15	Cash (£130,666.42 + £7,000) Property Taxes	137,666.42	
		Payable		7,000.00
		Lease Receivable		106,666.42
		Interest Revenue		24,000.00
	12/31/16	CashProperty Taxes	137,666.42	
		Payable		7,000.00
		Lease Receivable		117,333.58
		Interest Revenue		13,332.84