FIGURING DEPRECIATION WITHOUT USING THE TABLES

(Tables located in Appendix of Publication 946, How to Depreciate Property)

Declining Balance Method

Declining Balance Rate: Divide the specified declining balance percentage (150% or 200% changed to a decimal) by the number of years for the recovery period.

EXAMPLES: For a 3-year property divide 2 (for 200%) by 3 to get 66.667%.

For a 7-year property divide 2 (for 200%) by 7 to get 28.571% For a 15-year property divide 1.5 (for 150%) by 15 to get 10%

Declining Balance Rate			
Property Class	Method	Rate	Year
3-year	200% DB	66.667	3 rd
5-year	200% DB	40.000	4 th
7-year	200% DB	28.571	5 th
10-year	200% DB	20.000	7 th
15-year	150% DB	10.000	7 th
20-year	150% DB	7.500	9 th

For the year the property is placed in service:

- 1. Multiply the adjusted basis (AB) in the property by the declining balance rate.
- 2. Apply the applicable convention.

For other years following:

- 1. Reduce the adjusted basis by the amount allowed in other years.
- 2. Multiply the new AB by the same declining balance rate.

Mid-Quarter Convention

Percentages:

Quarter 1	JAN, FEB, MAR	87.5%
Quarter 2	APR, MAY, JUN	62.5%
Quarter 3	JUL, AUG, SEP	37.5%
Quarter 4	OCT, NOV, DEC	12.5%

If the property is disposed of before the end of the recovery period, the deduction for the year of depreciation is calculated by multiplying a <u>full</u> year of depreciation by the percentage for the quarter in which the property was disposed of:

Quarter 1 12.5% Quarter 2 37.5% Quarter 3 62.5% Quarter 4 87.5%

Mid-Month Convention:

Depreciation for the first year depends on when the property was placed into service. Depreciation for a full year is multiplied by a fraction:

The numerator is the number of full months in the year that the property is placed in service plus .5 (for half a month). The denominator is 12.

EX: for an asset placed in service in August

NUMERATOR: 4 months + .5 months = 4.5 DENOMINATOR: = 12

4.5 / 12 = .375

HY Example:

Facts: 5-year asset with a cost basis of \$10,000; 200% DB and HY convention; placed in service in February of the current year.

 1^{st} Year: $10,000 \times .40 = 4,000$

HY convention, divide 4,000 by 2 = 2,000 Taxpayer takes \$2,000 in the 1st year

 2^{nd} Year: 10,000 - 2,000 = 8,000

8,000 X .40 = 3,200 SL = 1 / 4.5 = 22.22% 8,000 X .2222 = 1,778

3,200 > 1,778

Taxpayer takes \$3,200 in the 2nd year

 3^{rd} Year: 8,000 - 3,200 = 4,800

4,800 X .40 = 1,920 SL = 1 / 3.5 =28.57% 4,800 X .2857 = 1,371

1,920 > 1,371

Taxpayer takes \$1,920 in the 3rd year

 4^{th} Year: 4,800 - 1,920 = 2,880

2,880 X .40 = 1,152 SL = 1 / 2.5 = 40% 2,880 X .40 = 1,152

Amounts are the same; switch to SL Taxpayer takes \$1,152 in the 4th year

 5^{th} Year: 2,880 - 1,152 = 1,728

SL = 1 / 1.5 = 66.67% 1,728 X .6667 = \$1,152

Taxpayer takes \$1,152 in the 5th year

 6^{th} Year: 1,728 - 1,152 = 576

Since there is less than a year involved,

taxpayer takes the \$576 left.

TOTALS: \$2,000 + \$3,200 + \$1,920 + \$1,152 + \$1,152 + \$576 = \$10,000

MQ Example:

Facts: 7-year asset with a cost basis of \$10,000; 200% DB and MQ convention; placed in service in January of the current year.

 1^{st} Year: 10,000 X .2857 = 2,857

Mid-Quarter convention, multiply 2,857 X .875 = 2,500

Taxpayer takes \$2,500 for the first year.

 2^{nd} Year: 10,000 - 2,500 = 7,500

7,500 X .2857 = 2,143

Taxpayer takes \$2,143 in the second year.

 3^{rd} Year: 7,500 - 2,143 = 5,357

 $5,357 \times .2857 = 1,531$

Taxpayer takes \$1,531 in the third year.

 4^{th} Year: 5,357 - 1,531 = 3,826

 $3,826 \times .2857 = 1,093$

Taxpayer takes \$1,093 in the fourth year.

Switch to SL for remaining years.

 5^{th} Year: 3,826 - 1,093 = 2,733

Switched to SL; 1/3 = .333 of the remaining 2,733 for each year.

Taxpayer takes \$911 in the fifth year.

 6^{th} Year: 2,733 - 911 = 1,822

Switched to SL; 1/3 = .333 of the remaining 2,733 for each year.

Taxpayer takes \$911 in the sixth year.

 7^{th} Year: 1.822 - 911 = 911

Switched to SL; 1/3 = .333 of the remaining 2,733 for each year.

Taxpayer takes \$911 in the final year.

MM Example:

Facts: 5-year asset with a cost basis of \$10,000; SL and MM convention; placed in service in August of the current year.

 1^{st} Year: 10,000 X .20 = 2,000

MM = 4.5 / 12 = .375 2,000 X .375 = 750

Taxpayer takes \$750 for the first year.

 2^{nd} Year: 10,000 - 750 = 9,250

SL = 1 / 4.625 = 21.62% 9,250 X .2162 = 2,000

Taxpayer takes \$2,000 in the second year.

 3^{rd} Year: 9,250 - 2,000 = 7,250

SL = 1 / 3.625 = 27.59% 7,250 X .2759 = 2,000

Taxpayer takes \$2,000 in the third year.

 4^{th} Year: 7,250 - 2,000 = 5,250

SL = 1 / 2.625 = 38.10% 5,250 X .3810 = \$2,000

Taxpayer takes \$2,000 in the fourth year.

 5^{th} Year: 5,250 - 2,000 = 3,250

SL = 1 / 1.625 = 61.54% 3,250 X .6154 = \$2,000

Taxpayer takes \$2,000 in the fifth year.

 6^{th} Year: 3,250 - 2,000 = 1,250

Since there is less than a year left, the taxpayer takes 100%

of the remaining amount, or \$1,250.