

Cr.

Interest on

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 $\$1000 \text{ for } 28 \text{ da.} = \$1 \text{ for } 1000 \times 28 \text{ da., or } 28000 \text{ da.}$
 $600 \text{ " } 6 \text{ " } = 1 \text{ " } 600 \times 6 \text{ " " } 3600 \text{ "}$
\\$1600

= \\$1 for

31600 " "
 $\therefore \text{Black receives } \$1900 \text{ and the int. on } \$1 \text{ for } 54400 \text{ da.}$
 $\text{" gives } \$1600 \text{ " " " " } \$1 \text{ " } 31600 \text{ "}$
 $\text{" owes } \$300 \text{ " " " " } \$1 \text{ " } 22800 \text{ "}$
 $\text{or " " } \$300 \text{ " " " " } \$300 \text{ " } \frac{22800}{300} \text{ " or } 76 \text{ da.;}$
 $\therefore \$300 \text{ is due } 76 \text{ days before March } 10, \text{ or Dec. } 24.$

(a) *Find the date when each item is due or paid on both sides.*

(b) *Take the latest due date on either side, thus found, for the focal date. Multiply each item on both sides of the account by the number of days between the focal date and the date of the item.*

(c) *Add the products on each side, and subtract the sum of those on the one side from the sum of those on the other, and divide the difference by the balance of the account. The quotient is the number of days to be counted forward from the focal date, when the balance of the products and the balance of the account are on opposite sides, and backward from the focal date when they come on the same side.*

Examples IX

1. In the following account it is required to find the balance, and when it is due.

Dr.			JAMES ADAMSON.			Cr.		
1900.		\$	1900.		\$			
Mar. 9	To merchandise.	300	Mar. 20	By cash.....	247			
May 12	" "	474	April 11	" draft at 30 da.	400			
June 19	" "	564	July 10	" cash.....	260			