

SOLUTIONS

OF THE MORE DIFFICULT EXAMPLES IN THE CANADIAN EDITION

OF

HAMBLIN SMITH'S ARITHMETIC.

EXAMINATION PAPERS.

VI.—Page 41.

$$2. \quad \begin{array}{r} 76894754 \\ (112)(7)(56) \end{array}$$

$$\begin{array}{r} 538263278 \\ 4306106224 \\ 8612212448 \end{array}$$

$$8670344882024$$

See art. 50.

$$3. \quad (8876 + 5684) \times (8876 - 5684) \div 7859 = 4816 \text{ and rem. } 576.$$

$$7859 - 576 = 7283.$$

5. If the sum of two numbers is added to the difference of the two numbers, the result is equal to twice the greater number.

$$\therefore \text{ the greater number} = \frac{2 \times 4331 + 2 \times 3953}{2} = 7684.$$

VII.—Page 41.

$$1. \text{ Cost of 1 a.} = \frac{8 \times \$23 + 7 \times \$89}{3} = \$269.$$

$$2. \text{ Time for 19 men} = \frac{18 \times 76}{19} \text{ da.} = 72 \text{ da.}$$