



Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Post-Trip Lesson Plan Arithmetic

Instructions: Complete the math problems below. Each math problem comes from the arithmetic book: Hamilton's Essentials of Arithmetic Middle Grades dating from 1919.

1) Find the cost of  $2\frac{3}{4}$  pounds of butter at 48 cents a pound.

$$2\frac{3}{4} \times .48 = \$1.32 \text{ price of butter.}$$

2) If a lot cost \$200 and a house  $8\frac{1}{8}$  times as much, how much did the house cost?

$$200 \times 8\frac{1}{8} = \$1,625 \text{ is the price of the house.}$$

3) A farmer bought a farm of 160 acres at \$25 an acre. He erected a house costing  $\frac{3}{5}$  as much as the land, and a barn costing  $\frac{1}{2}$  as much as the house. Find the total cost of the property.

$$\text{Land: } 160 \times 25 = 4,000$$

$$\text{House: } 4,000 \times \frac{3}{5} = 2400$$

$$\text{Barn: } 2400 \times \frac{1}{2} = 1,200$$

$$\text{Total: } 4000 + 2400 + 1200 = 7,600$$

4) A school was open  $5\frac{3}{4}$  hours each day. How many hours was it open in a month of 20 school days? In a term of  $4\frac{1}{2}$  months (Assume each month is 20 days)?

$$\text{Month: } 5\frac{3}{4} \times 20 = 115$$

$$4\frac{1}{2} \text{ Months: } 115 \times 4\frac{1}{2} = 517.5 \text{ hours}$$

5) A crop 6000 Ib. of onions was raised at a cost of \$24.45. Find the Average Cost per pound.

$$24.45 / 6000 = .004075$$