

Buying Batteries

Activity

- John's Hardware usually sells AA batteries in packs of 4.

This pack of batteries costs \$9.70. But I only need 2. I wonder if I can pay half the price.

AA 4-packs		
Heavy Duty	Alkaline	Lithium
\$7.50	\$9.70	\$25.50

I'll split the pack for you. Let's see ... $\frac{1}{2}$ of \$9 is \$4.50, and $\frac{1}{2}$ of 70 cents is 35 cents. $\$4.50 + 35c = \4.85 .

Use John's strategy to find the cost of:

- 2 heavy duty AA batteries
 - 2 lithium AA batteries.
- John decides to have a special promotion for heavy duty AA batteries. Customers can now buy the batteries in units of 1 to 6. This is John's pricing chart:

Number of heavy duty AA batteries	1	2	3	4	5	6
Cost	\$2.20	\$4.10	\$5.70	\$7.00	\$8.00	\$8.70

- What pattern can you see in the prices?
- Sam paid \$12.80 for 8 batteries. How did John work out the price?
- Which units are the cheapest way to buy:
 - 10 batteries?
 - 15 batteries?
 - 20 batteries?