

20 Process Problem

At a carnival, 7 hot dogs are sold for every 10 hamburgers sold. At this rate, how many hot dogs will be sold when 120 hamburgers are sold? (Hint: Complete the table.)

Hot dogs	7	14	21	28	35	42	49	56				
Hamburgers	10	20	30	40	50							

TEACHING ACTIONS

1. Read the problem.
2. Ask questions for understanding the problem.
3. Discuss possible solution strategies.

BEFORE

Understanding the Problem

- When 7 hot dogs are sold, how many hamburgers are sold? (10)
- How many hot dogs are sold for every 10 hamburgers sold? (7)

TEACHING ACTIONS

4. Observe students.
5. Give hints as needed for solving the problem.
6. Require students to check back and answer the problem.
7. Give problem extension as needed.

DURING

Planning a Solution

- If 14 hot dogs are sold, how many hamburgers are sold? (20) 21 hot dogs? (30)
- When 40 hamburgers are sold, how many groups of 10 hamburgers is that? (4) How many groups of 7 hot dogs would have been sold? (4) How many hot dogs is that? (28)

TEACHING ACTIONS

8. Discuss solution(s).
9. Discuss related problems and extension.
10. Discuss special features as needed.

AFTER

Finding the Answer

Make a Table

Hot dogs	7	14	21	28	35	42	49	56	63	70	77	84
Hamburgers	10	20	30	40	50	60	70	80	90	100	110	120

When 120 hamburgers are sold, 84 hot dogs will be sold.

Related Problems: 19

Problem Extension

At the carnival, 4 bags of popcorn were sold for every 5 bags of peanuts. How many bags of popcorn were sold when 55 bags of peanuts were sold? (44)