

Problem Solving: Reasonableness

Solve.

1. One tray holds eight sandwiches. If there are 30 sandwiches in all, how many trays are needed?

2. There are 53 students on a field trip. One chaperone is needed for every 6 students. How many chaperones are needed?

Mrs. Favicchio has 72 students in her science class. The table shows how many students can use each item of lab supplies she is ordering.

| Lab Supplies | |
|----------------------|--------------------|
| Item | Number of Students |
| Packet of pH paper | 10 |
| Case of test tubes | 5 |
| Case of petri dishes | 4 |

3. How many packets of pH paper does she need to order?

4. How many cases of test tubes does she need to order?

5. A loaf of banana bread serves 6 guests. There will be 47 guests attending the faculty breakfast. Which expression shows how many loaves are needed to serve them all?
A 47 divided by 6 is 7 R 5, so 7 loaves are needed.
B 47 divided by 6 is 7 R 5, so 8 loaves are needed.
C 47 plus 6 is 53, so 53 loaves are needed.
D 47 minus 6 is 41, so 41 loaves are needed.
6. **Writing To Explain** You are in line at an amusement park. You count 34 people in front of you. Each rollercoaster fits 11 people. How many rollercoasters must run before you can get on? Explain.

