

Problem Solving: Work Backward

CA Standards
MR 2.6, NS 2.0

Solve each problem by working backwards.

- Colleen bought 6 yards of material and a bag of buttons. She spent a total of \$28. The buttons cost \$2.50. How much was each yard of material?

- Mr. Quibley takes his fourth-grade class to the planetarium. The cost for him and his students is \$93.75. If the cost of an adult ticket is \$7.50 and the cost of a student ticket is \$3.75, how many students are in Mr. Quibley's class?

- A steak dinner with an appetizer and a dessert costs \$19.95 at a local restaurant. If the appetizer costs twice as much as the desert and the desert costs \$2.50, how much does the steak cost?

- Paul cut a pole into 5 equal parts. He then cut 3.7 inches off the last piece. The length of the part left was 2.3 inches. How long was the original pole?

- Shaun bought 6 pizzas and 3 salads for \$95.49. Each salad cost \$5.85. What is the cost of each pizza?

- Nadia has \$17.67 in her piggy bank. That is \$1.17 more than twice the amount of money in her brother Ivan's piggy bank. How much does Ivan have in his bank?
