

## Problem-Solving Decision: Estimated or Exact Answer?

Use the questions to help you solve.

1. Norma wants to paint her basement. Her friend gives her half a gallon of paint. Norma knows that 1 gallon of paint covers about 400 square feet. Her basement walls are about 562 square feet in area. Should Norma buy an additional half a gallon of paint, 1 gallon, or 2 gallons?

### UNDERSTAND

What decision does Norma need to make?

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### PLAN

Will you estimate or find an exact answer? Why?

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### SOLVE

How many square feet can Norma cover with the paint she already has?

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About how much paint will she need to cover the remaining area?

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### LOOK BACK

Do you think Norma should overestimate or underestimate the amount of paint she will need? Why?

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**Solve.**

2. Norma wants to spend no more than \$10 on supplies. She buys a paint roller for \$4.89, a foam brush for \$1.19, and a drop cloth for \$2.75. Does she have enough left to buy one more foam brush? Explain your answer.
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