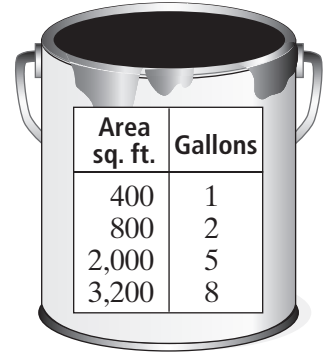


2-2 • Guided Problem Solving

GPS Student Page 56, Exercise 28

Painting Customers in a paint store use the table at the right to decide how much paint they need.

- Write an expression for the number of gallons of paint needed for an area of A square feet.
- Paint costs \$17.95 per gallon. Write an expression FOR the cost of the paint needed for an area of A square feet.



Area sq. ft.	Gallons
400	1
800	2
2,000	5
3,200	8

Understand

- What are you being asked to do?

- Circle the information you will need to solve the problem.

Plan and Carry Out

- How much does paint cost per gallon?

- Write an expression for the number of gallons of paint needed for an area of A square feet.

- Write an expression to find the cost of the paint needed for an area of A square feet.

Check

- Use your expression to find out how much it would cost a customer to paint an area of 2,000 square feet. Does your answer make sense?

Solve Another Problem

- Anna and Tom are window washers. They are working on a house that has r rooms, with 4 windows in each room. They have 2 windows left to wash before the job is complete. Write an expression for the number of windows they have already washed.
