

Student Guide

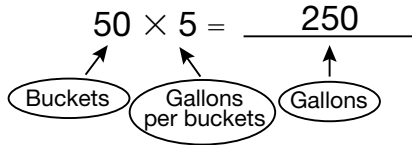
Elixir of Youth (pp. 386 and 394)

Questions 1–7

1.

Number of Buckets	Number of Gallons
1	5
2	10
3	15
5	25
10	50
20	100
50	250

2. * Responses will vary. See Figure 1.
 3. 50 buckets \times 5 gallons per bucket = 250 gallons



4. 240 miles; $102 + 84 + 54 = 240$ miles
 5. 12 gallons
 6. About 20 miles on one gallon of gas;
 $240 \div 12 = 20$ miles per gallon
 7. The thief drove 80 miles;
 20 miles per gallon \times 4 gallons = 80 miles.

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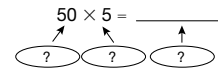
Elixir of Youth

1. The vase holds 50 buckets of water and the bucket holds 5 gallons. How many gallons will the vase hold? Copy and complete the table.

Number of Buckets	Number of Gallons
1	5
2	10
3	
5	
10	
20	
50	

2. Show or tell how you found the number of gallons in 50 buckets.

3. Sam wrote the following number sentence to find the number of gallons of water in the vase. What do the numbers mean?



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Use the data Sam and Tess collected to find out how far the thief drove the car.

Date	Name	Miles Driven
2/4	Howard	20 - filled tank
2/5	Dave	102
2/10	Alberto	84
2/14	Tanya	54 - filled tank with 12 gallons
?	Thief	? - filled tank with 4 gallons

4. How many miles were driven between 2/5 and 2/14?
 5. How many gallons of gas were used between 2/5 and 2/14?
 6. About how many miles did the car go on one gallon of gas? Show or tell how you know.
 7. How many miles do you think the thief drove?

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*Answers and/or discussion are included in the lesson.