

The following approach is just one of many ways to tackle the word problem

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Mulch

You have just started your own company, Prairie Sage Landscaping LLC. Your first client has asked you to mulch several flower beds. Rounding off to the nearest foot, you jotted down these measurements: the rectangular bed in front of the house is 68 feet by 6 feet; the island in the circular driveway has a diameter of 33 feet; and the bed at the driveway entrance resembles a right triangle that has sides of 15, 26, and 32 feet. How many bags of mulch should your order?

Mulch

rectangular bed is 68 feet by 6 feet; island has a diameter of 33 feet; resembles a right triangle that has sides of 15, 26, and 32 feet

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Key Info

- Knowns
- Rectangular bed is 68 feet by 6 feet
- · Island has a diameter of 33 feet
- Resembles a right triangle that has sides of 15, 26, and 32 feet

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Key Info

Knowns

- Rectangular bed is 68 feet by 6 feet
- Island has a diameter of 33 feet
- Resembles a right triangle that has sides of 15, 26, and 32 feet

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Rewrite

- Rectangular bed is 68 feet by 6 feet
- Island has a diameter of 33 feet

8

Rewrite

Knowns

- Length of the rectangle is 68 feet; width is 6 feet
- Island has a diameter of 33 feet

Rewrite

Knowns

- Length of the rectangle is 68 feet; width is 6 feet
- Island has a diameter of 33 feet

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Rewrite

- Length of the rectangle is 68 feet; width is 6 feet
- Diameter of the island is 33 feet
- Resembles a right triangle that has sides of 15, 26, and 32 feet

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Rewrite

Knowns

- Length of the rectangle is 68 feet; width is 6 feet
- Diameter of the island is 33 feet
- Resembles a right triangle that has sides of 15, 26, and 32 feet

























































Knowns

- Length of the rectangle is 68 feet; width is 6 feet
- Diameter of the island is 33 feet
- Resembles a right triangle that has sides of 15, 26, and 32 feet

Rewrite

Knowns

- Length of the rectangle is 68 feet; width is 6 feet
- Diameter of the island is 33 feet
- Base of the triangle is 26 feet; height is 15 feet

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Rewrite

- Length of the rectangle is 68 feet; width is 6 feet
- Diameter of the island is 33 feet
- Base of the triangle is 26 feet; height is 15 feet

29

Rewrite

Knowns

- Length is 68 feet; width is 6 feet
- Diameter is 33 feet
- Base is 26 feet; height is 15 feet











Rewrite

- Length is 68 feet; width is 6 feet
- Diameter is 33 feet
- Base is 26 feet; height is 15 feet

35

Rewrite

Knowns

- I is 68 feet; w is 6 feet
- d is 33 feet
- **b** is 26 feet; **h** is 15 feet









Rewrite		
Knowns		
• I = 68 ft; w = 6 ft		
• d = 33 ft		
• b = 26 ft ; h = 15	ft	





How many bags of mulch should your order?

Rewrite <u>Unknowns</u> • How many bags?

43































































































Solution

Unknowns

How many bags? How big is a bag of mulch?

70

















































This was one of many ways to work through the word problem