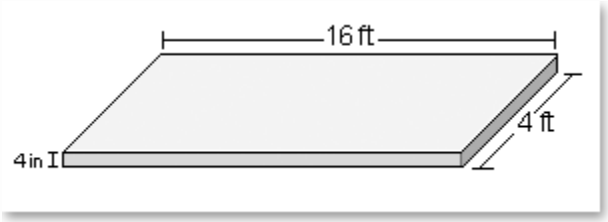
Measurements: Property Manager (1)

J. D. Property

Job Description: Owns, operates and manages rental properties. Oversees or does all maintenance and/or repairs on houses and property.

Problem:

You need to pour a new sidewalk that is 4' wide, 16' long, and 4" thick. Concrete costs $70.00/cubic yard.



1) How many cubic yards of concrete are required?

2) How much will the concrete cost?

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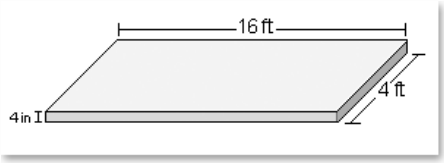

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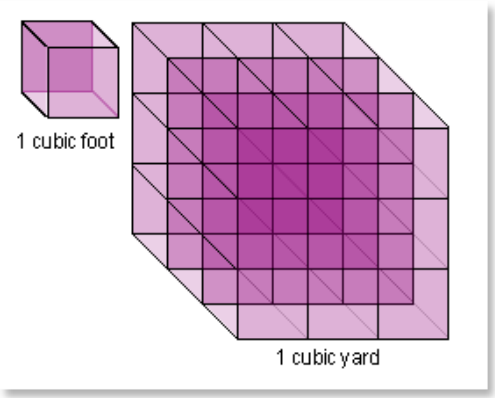


Solution:

1 yard = 3 feet

1 cubic yard = 3 ft x 3 ft x 3ft

1 cubic yard = 27 cubic feet (ft^3)

4 inch = 1/3 foot

4 ft x 16 ft x 1/3 ft = 21.3 ft^3

1) 21.3 ft^3 x 1yd^3 ÷ 27 ft^3 = 0.79 cubic yards needed

2) .79 cubic yards x $70.00 / cubic yard = $55.30

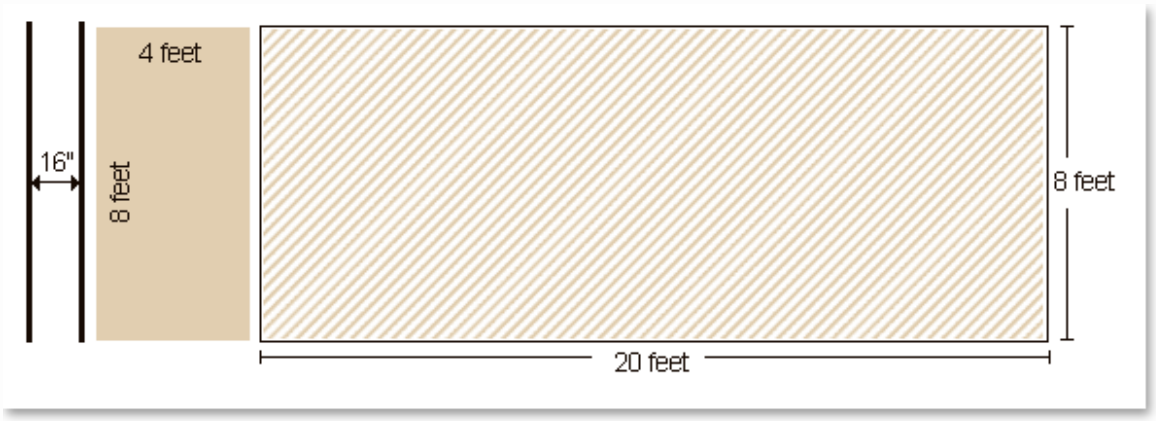
Measurements: Property Manager (2)

J. D. Property

Job Description: Owns, operates and manages rental properties. Oversees or does all maintenance and/or repairs on houses and property.

Problem:

You need to build a wall using 2x4s covered with 4' x 8' sheet rock. The wall is 20 feet long and 8 feet high.



1) How many 2x4s are required if the 2x4s are on 16" centers, spaced 16” apart?

2) How many sheets of sheet rock will be needed?

Measurements: Property Manager (2)

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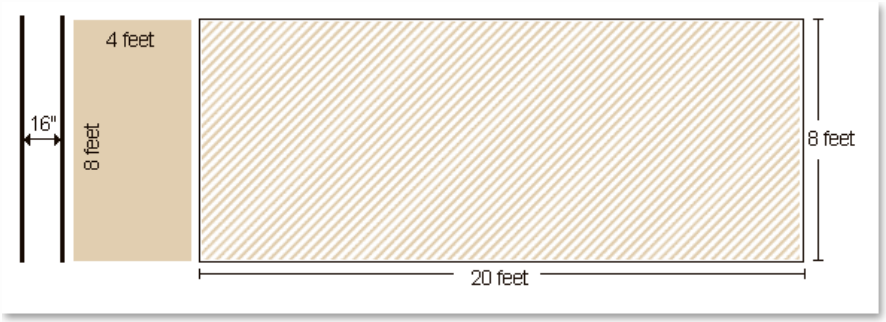
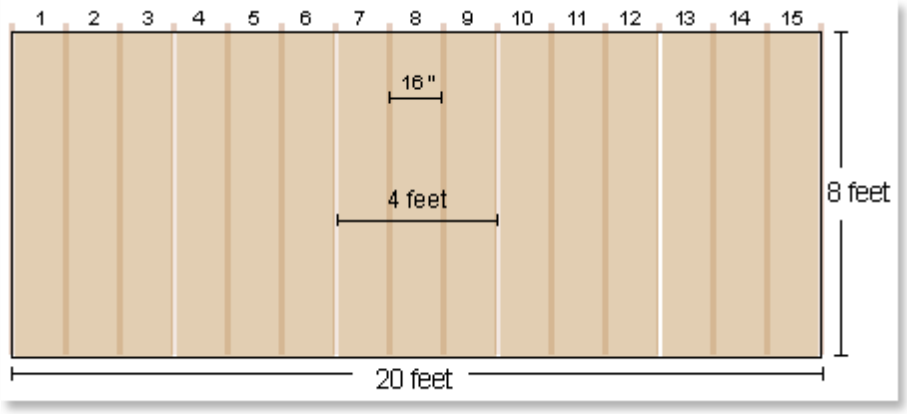


Solution:

1) 20 feet x 12 inches/foot = 240 inches
240 inches ÷ 16 inch centers = 15 spaces + 1 = 16 (8-foot 2x4s)

2) 20 feet ÷ 4-foot sheets = 5 sheets of sheet rock



Measurements: Property Manager (3)

J. D. Property

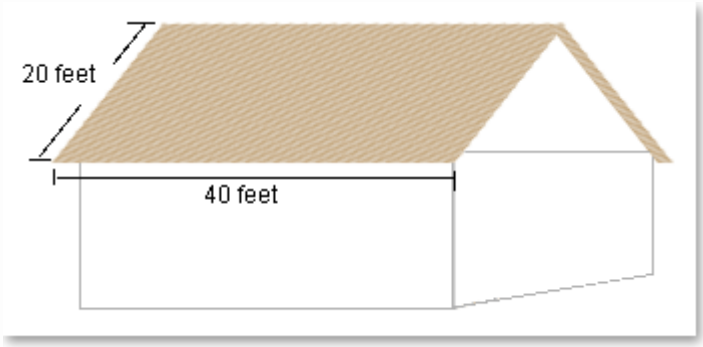
Job Description: Owns, operates, and manages rental properties. Oversees or does all maintenance and/or repairs on houses and property.

Problem:

You need to re-roof a house with composite shingles. Each side of the roof is 20 feet by 40 feet.

How many packages of shingles are required and how much will it cost?

Each package of shingles covers 12 square feet (ft^2) and costs $7 plus another $12 to have it put on the roof (for labor and other materials such as nails).



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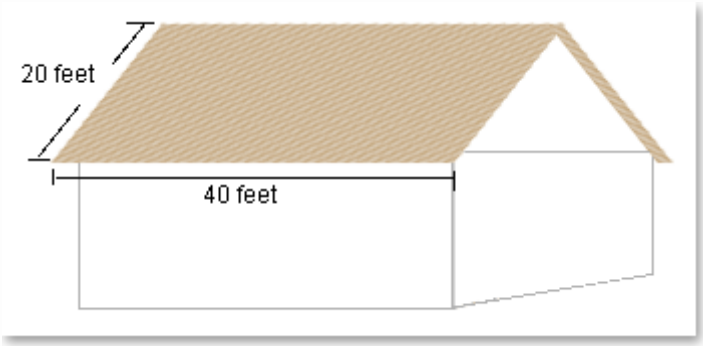

Solution:

1. 20 ft x 40 ft = 800 ft^2 x 2 = 1600 ft^2 roof
1600 ft^2 ÷ 12 ft^2 coverage/pkg = 133.3 or 134 packages of shingles

2. 134 packages x $7 per package = $938 for shingles
134 packages x $12 = $1608 for labor/materials
$938 + $1608 = $2546 roof installed