MM150 Unit 8 Initial Response Post:

Once the floor plan is chosen, each group member (including the student who posted the floor plan) will pick one of the following costs and post the results. In your post include all area/perimeter and cost calculations. Round all dimensions in the floor plans to the nearest foot. For the subject of your post, type the cost you have chosen so that your fellow group members know which ones have already been completed.

Initial Response Post Example

NOTE: Not all parts of the Discussion are included in this Example. Read the Discussion Question thoroughly and respond to all parts of the Question.

Bedroom Flooring:

I found bamboo flooring priced at \$2.17 / square foot <URL here>

Master Bedroom: 16'0" x 12'9" = 16' x 13' = 208 ft²

Bedroom #2: 11'0" x 10'10" = 11' x 11" = 121 ft²

Bedroom #3: 11'0" x 10'10" = 11' x 11' = 121 ft²

Total Bedroom Area: 208 + 121 + 121 = 450 ft²

Total Flooring Cost: 450 * 2.17 = \$976.50

Main Living Area Flooring:

I found bamboo flooring priced at \$2.17 / square foot <URL here>

Kitchen: 12'2" x 11'9" = 12' x 12' = 144 ft²

Dining: 12'3" x 11'6" = 12' x 12' = 144 ft²

Living: 12'2" x 12'3" = 12' x 12' = 144 ft²

Total Main Living Area: 144 + 144 + 144 = 432 ft²

Total Flooring Cost: 432 * 2.17 = \$937.44

Bedroom Walls:

I found a gallon of paint priced at \$29.98/gallon <URL here> and one gallon covers 400 ft².

Master Bedroom: 16'0" x 12'9" = 16' x 13'

16' width * 8' height * 2 walls = 256 ft² 13' width * 8' height * 2 walls= 208 ft² 256 + 208 = 464 ft² for all 4 walls

Bedroom #2: 11'0" x 10'10" = 11' x 11' 11' width * 8' height * 4 walls = 352 ft²

Bedroom #3: 11'0" x 10'10" = 11' x 11' 11' width * 8' height * 4 walls = 352 ft²

Total Bedroom wall area: 464 + 352 + 352 = 1168 ft²

Total Bedroom paint cost: 1168/400 = 2.92 gallons of paint. 3 gallons * \$29.98 = \$89.94

Main Living Area Walls:

I found a gallon of paint priced at \$29.98/gallon <URL here> and one gallon covers 400 ft².

Kitchen: 12'2" x 11'9" = 12' x 12' 12' width * 8' height * 4 walls = 384 ft²

Dining: 12'3" x 11'6" = 12' x 12' 12' width * 8' height * 4 walls = 384 ft²

Living: 12'2" x 12'3" = 12'2" x 12'3" 12' width * 8' height * 4 walls = 384 ft²

Total Main Living wall area: 384 + 384 + 384 = 1152 ft²

Total Bedroom paint cost: 1152/400 = 2.88 gallons of paint. 3 gallons * \$29.98 = \$89.94

Bedroom Crown Molding:

I found crown molding at \$11.55 for an 8 ft long piece <URL here>.

Master Bedroom: 16'0" x 12'9" = 16' x 13' Perimeter: 16' + 16' + 13' + 13' = 58 ft

Bedroom #2: 11'0" x 10'10" = 11' x 11' Perimeter: 11' + 11' + 11' + 11' = 44 ft

Bedroom #3: 11'0" x 10'10" = 11' x 11' Perimeter: 11' + 11' + 11' + 11' = 44 ft

Total Bedroom wall perimeter: 58 + 44 + 44 = 146 ft

Total Bedroom molding cost: 146 ft / 8 ft piece = 18.25 pieces. 19 pieces * \$11.55 = \$219.45

Main Living Crown Molding:

I found crown molding at \$11.55 for an 8 ft long piece <URL here>.

Kitchen: 12'2" x 11'9" = 12' x 12' 12' + 12' + 12' + 12' = 48 ft

Dining: 12'3" x 11'6" = 12' x 12' 12' + 12' + 12' + 12' = 48 ft

Living: 12'2" x 12'3" = 12' x 12' 12' + 12' + 12' + 12' = 48 ft

Total Main Living wall perimeter: 48 + 48 + 48 = 144 ft

Total Main Living molding cost: 144 ft / 8 ft piece = 18 pieces. 18 pieces * \$11.55 = \$207.90

Exterior Gutters:

I found gutters at \$49.97 for a 10 ft long piece <URL here>.

Length of house: 12'2" + 11'6" + 11'9" + 12'9" = 12' + 12' + 12' + 13' = 49 ft

Width of house: 12'3" + 11' = 12' + 11' = 23 ft

Length + 2ft overhang in both directions: 49 + 2 + 2 = 53 ft

Width + 2 ft overhang in both directions 22 + 2 + 2 = 26 ft

Outside roofline perimeter: 53 + 53 + 26 + 26 = 158 ft

Gutter cost: 158 ft / 10 ft piece = 15.8 pieces. 16 pieces * \$49.97 = \$799.52

Roofing Materials:

I found architectural shingles at \$28.00 per bundle. Each bundle covers 33.33 ft² <URL here>.

Length of house: 12'2'' + 11'6'' + 11'9'' + 12'9'' = 12' + 12' + 12' + 13' = 49 ft Width of house: 12'3'' + 11' = 12' + 11' = 23 ft

Length + 2ft overhang in both directions: 49 + 2 + 2 = 53 ft Width + 2 ft overhang in both directions 22 + 2 + 2 = 26 ft

Area of roof: 53 * 26 = 1378 ft² * 1.054 multiplier = 1452.412 ft²

Roofing cost: 1452.412 ft² / 33.33 ft² \approx 43.6 bundles; 44 bundles * \$28 = \$12