



Real Estate Finance Math

A lender is qualifying borrowers on a 36% ratio, which includes house payment and regular monthly bills. The borrower has a gross monthly income of \$7,900 per month and debt obligations of \$1,295 per month. What is the maximum monthly payment for which the buyer will qualify?

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On average, rental homes in the area are selling for \$255,000. Average rents are \$1,750 per month. The subject property has a projected gross rent of \$1,700 per month. What is the value of the home using the Gross Rent Multiplier?

On average, rental homes in the area are selling for \$225,000. Average rents are \$1,600 per month. The subject property has a projected gross rent of \$1,550 per month. What is the value of the home using the Gross Rent Multiplier?

On average, rental homes in the area are selling for \$289,000. Average rents are \$1,800 per month. The subject property has a projected gross rent of \$1,850 per month. What is the value of the home using the Gross Rent Multiplier?



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Math Rationale

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$$\begin{aligned} \$7,900 \times .36 &= \$2,844 \\ \$2,844 - \$1,295 &= \$1,549 \end{aligned}$$

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$$\begin{aligned} \$9,700 \times .36 &= \$3,492 \\ \$3,492 - \$1,500 &= \$1,992 \end{aligned}$$

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$$\begin{aligned} \$8,500 \times .36 &= \$3,060 \\ \$3,060 - \$1,100 &= \$1,960 \end{aligned}$$

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$$\begin{aligned} \$255,000 / \$1,750 &= 146 \\ 146 \times \$1,700 &= \$248,200 \end{aligned}$$

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$$\begin{aligned} \$225,000 / \$1,600 &= 141 \\ 141 \times \$1,550 &= \$218,550 \end{aligned}$$

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$$\begin{aligned} \$289,000 / \$1,800 &= 161 \\ 161 \times \$1,850 &= \$297,850 \end{aligned}$$