

Sharing in Ratios

Three friends decide to buy an office building. Their investment is shown in the table. The monthly rental received is \$3455.50. How much does each friend receive?

Marie	\$134 000
Julie	\$239 000
Vivienne	\$89 000

Working

Later they sell the building for \$679 000. How much do they each receive?

Working

For every lolly that June eats her older brother Harry eats 2 lollies. For each lolly Harry eats his older sister eats 3 lollies. They eat a whole bag of lollies. If Harry eats 24 lollies how many lollies were there in the bag?

Working

Mariana studies odds. She chooses a number that will turn up when a dice is thrown. She reasons correctly that the odds she will lose are 5: 1. Explain her reasoning.

Explanation

At the Casino they tell Mariana that, if she bets \$5 on choosing the correct number on a dice, they will give her \$23 if she is correct. Explain why Mariana would be foolish to accept this betting situation.

Explanation