

Name :

Date :

# Ratio and Proportion Problems

Answers the following questions.

1. There are 600 pupils in a school. The ratio of boys to girls is 3:5. How many girls and how many boys are in this school?

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2. The perimeter of a rectangle is 280m. The ratio of its length to its width is 5:2. Find the area of the rectangle.

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3. A jar is filled with pennies and nickles in the ratio of 5:3. If there are 30 nickles in the jar, how many pennies are there?

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4. The scale on a map is 1:20,000. What actual distance does a length of 8cm on the map represent?

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5. If 6 copies of a book cost \$9, calculate the cost of 8 books.

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# Ratio and Proportion Problems

## Answers

1. There are 600 pupils in a school. The ratio of boys to girls is 3:5. How many girls and how many boys are in this school?

Boys = 225, Girls = 375

2. The perimeter of a rectangle is 280m. The ratio of its length to its width is 5:2. Find the area of the rectangle.

Area = 4000m<sup>2</sup>

3. A jar is filled with pennies and nickles in the ratio of 5:3. If there are 30 nickles in the jar, how many pennies are there?

50

4. The scale on a map is 1:20,000. What actual distance does a length of 8cm on the map represent?

160,000cm

5. If 6 copies of a book cost \$9, calculate the cost of 8 books.

\$12