

RATIO APPLICATION

Match each correct answer to a letter and complete the riddle below. Not all choices will be used.

1 At a local preschool, there is a ratio of 3 boys to every 4 girls. If there are 245 total preschoolers enrolled, then how many are boys?

5 Jasmine is a receptionist at a doctor's office. She books 36 appointments each day. Four out of every 24 appointments are cancelled. How many appointments are cancelled each day?

2 Stan's Steakhouse has a server to chef ratio of 5 to 2. The total number of servers and chefs is 42. How many servers does Stan's Steakhouse employ?

6 Kendrick's Kennel has 2 spots for cats for every 7 spots for dogs. If he has a total of 144 spots for both cats and dogs, how many more spots does he have for dogs than cats?

3 An amusement park sells child and adult tickets at a ratio of 8:1. On Saturday, they sold 147 more child tickets than adult tickets. How many tickets did the amusement park sell on Saturday?

7 The children's section at a public library has picture books and chapter books with a ratio of 2:3. If there are a total of 500 books in the children's section, then how many chapter books are there?

4 A pair of angles has a ratio of 5:2. If the larger angle measures 105° , then what is the measure of the smaller angle?

8 A movie theater has 24 screens. The ratio of action films to other films currently showing is 1:2. How many action films are currently showing?