Ratio puzzles

Use the ratio to answer each question.

Name: _____

Score: _____ / 6

1. The ratio of red beads to blue beads is 5 : 1. There are 35 red beads. How many blue beads are there? _____

2. The ratio of apples to oranges is 4 : 1. There are 25 pieces of fruit in all. How many are apples? _____

3. The ratio of cups of flour to cups of sugar is 2 : 1. There are 16 cups of flour. How many cups of sugar are there? _____

4. The ratio of boys to girls is 3 : 1. There are 16 children in all. How many are boys? _____

5. The ratio of apples to oranges is 2 : 3. There are 6 apples. How many oranges are there? _____

6. The ratio of pencils to pens is 4 : 1. There are 35 things to write with in all. How many are pencils? _____

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Answer key: Ratio puzzles

1. 7 blue beads (35 ÷ 5 = 7, and 1 × 7 = 7)
2. 20 apples (25 ÷ 5 = 5, and 4 × 5 = 20)
3. 8 cups of sugar (16 ÷ 2 = 8, and 1 × 8 = 8)
4. 12 boys (16 ÷ 4 = 4, and 3 × 4 = 12)
5. 9 oranges (6 ÷ 2 = 3, and 3 × 3 = 9)
6. 28 pencils (35 ÷ 5 = 7, and 4 × 7 = 28)