

RATIO WORD PROBLEMS

SOLVE THE PROBLEMS BELOW.

- 1) The ratio of boys to girls in a class room is 7 to 11. If there are a total of 49 boys in the classroom, then how many boys and girls are there altogether?
- 2) The ratio of marbles to stones in a large pot is 6 to 7. If there are 42 marbles, then how many stones are there?
- 3) The ratio of coins to notes in a bag is 3 to 8. If there are 24 coins, then how many notes are there?
- 4) A truck is carrying pear juice, cherry juice, and apple juice bottles in a ratio of 3:1:3. If there are 16 cherry juice bottles, then how many juice bottles in total are there?
- 5) The ratio of girls to boys in a chess club was 5:4. There were 32 boys. How many girls were there in the club?
- 6) Jayden and Isabella share a reward of 40 pounds in a ratio of 2:3. How much does Jayden get?
- 7) A truck is carrying grape juice, passion fruit juice and pear juice bottles in a ratio of 2:1:2. If there are 20 grape juice bottles, then how many passion fruit juice bottles are there?
- 8) In the national park, the ratio of black bears to grizzly bears is 3:1.
 - a) If there were 24 black bears, how many grizzly bears would there be?
 - b) If the park had 12 grizzly bears, how many black bears would it have?
 - c) If the total number of black and grizzly bears was 20. How many black bears and how many grizzly bears would it have?
- 9) In the park, the ratio of bald eagle to osprey is 4:6.
 - a) Write the ratio in its simplest form.
 - b) If there were 12 bald eagles, how many osprey would there be?
 - c) If the park had 30 osprey, how many bald eagle would it have?
 - d) If the total number of bald eagle and osprey was 40. How many of each bird would be in the park?
- 10) There are 600 pupils in a school. The ratio of boys to girls in this school is 3:5. How many girls and how many boys are in this school?

ANSWERS:

- 1) 77
- 2) 49
- 3) 64
- 4) 1120 juice bottles
- 5) 40 girls
- 6) 16 pounds
- 7) 10 passion fruit juice bottles
- 8) A) 8 b) 36 c) 15 black bears, 5 grizzly bears.
- 9) A) 2:3 b) 18 c) 20 d) 16 bald eagle, 24 osprey.
- 10) Number of boys 225, number of girls 375.