GEMS Westminster School
RAS AL KHAIMAH

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?

LIVEWORKSHEETS

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.**

LIVEWORKSHEETS